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TO THE

**CIVIC TRANSPORTAT**

ON

# RADIAL RAILWAY ENTRANCE

FOR THE

**CITY OF TORONTO**

R. C. HARVEY  
Commissioner of Works

F. A. GABRIEL  
Chief Engineer, Hydro-Electro Power

E. L. COUSINS  
Chief Engineer, Toronto Harbour

**1915**

**VOLUME**

**PLANS**

EPORT

TO THE

ERTATION COMMITTEE

ON

# ANCES AND RAPID TRANSIT

FOR THE

T TORONTO

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C. HARRIS,  
Commissioner of Works.

A. GABY,  
Electro Power Commission of Ontario

. COUSINS,  
Toronto Harbor Commission

1915

LUME II.

PLANS

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## PLANS

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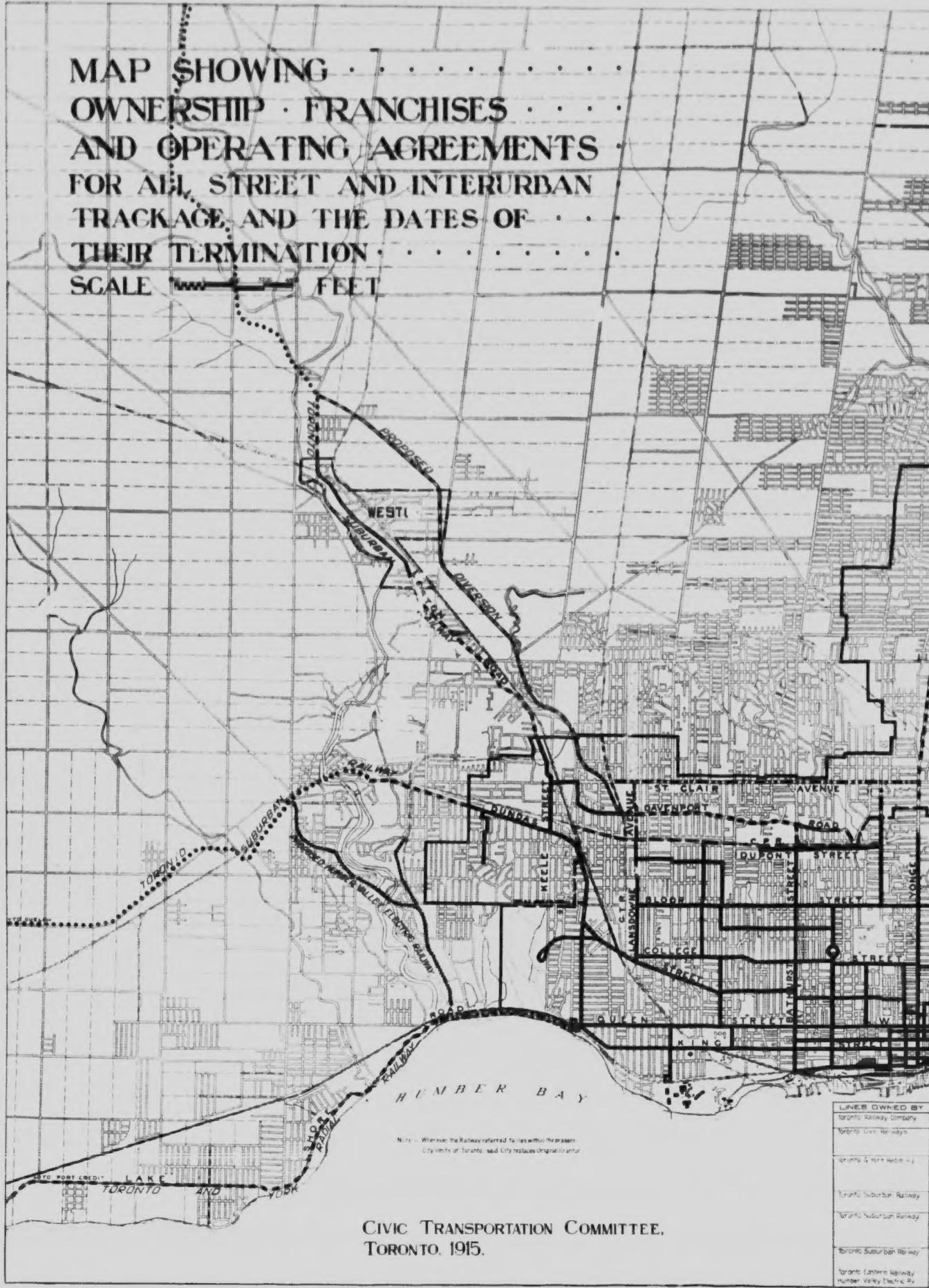


# MAP.



MAP SHOWING OWNERSHIP FRANCHISES AND OPERATING AGREEMENTS FOR ALL STREET AND INTERURBAN TRACKAGE, AND THE DATES OF THEIR TERMINATION  
SCALE FEET

SCALE  FEET

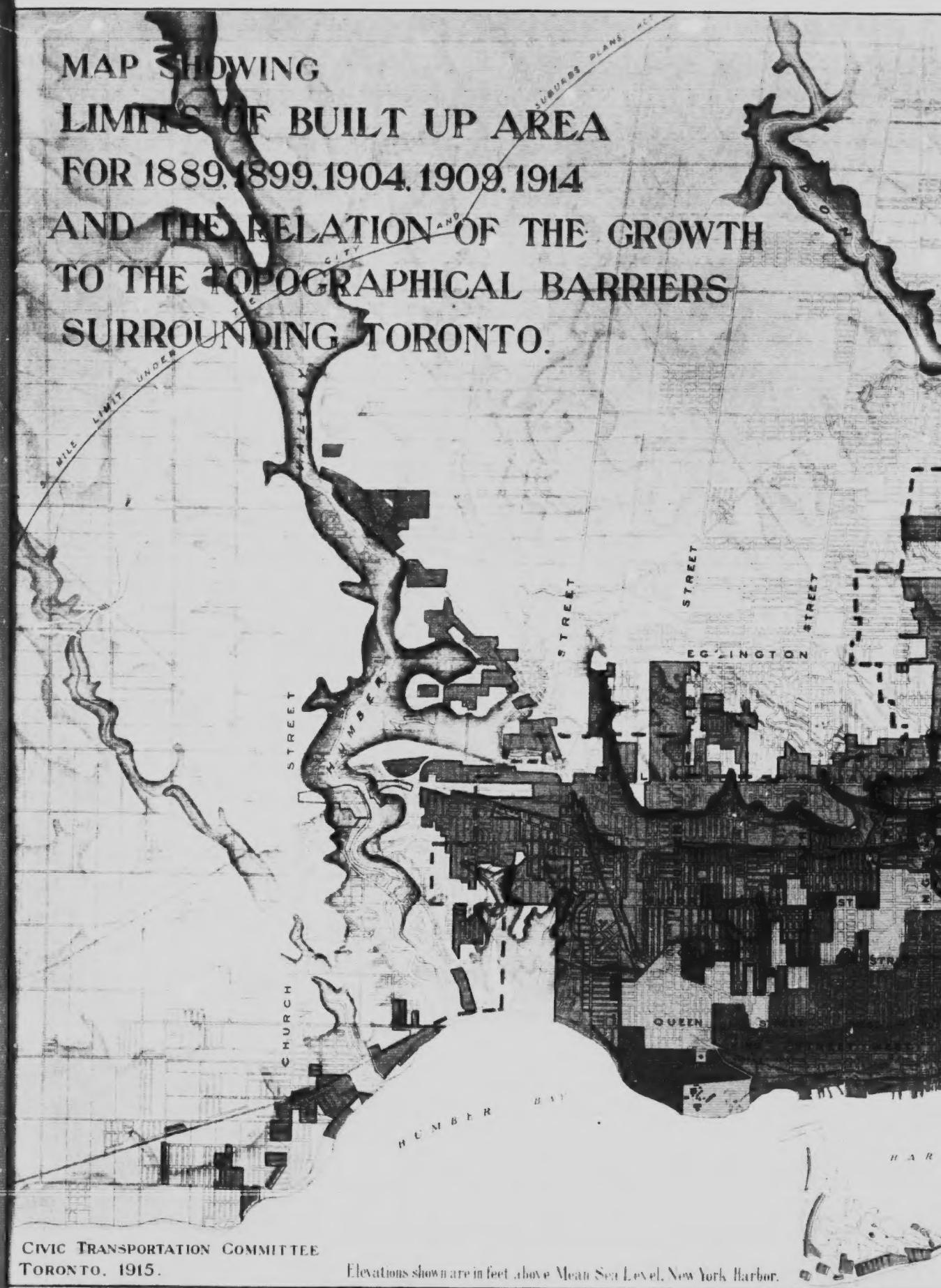




CITY BOUNDARIES 1891 —  
CITY BOUNDARIES 1915 —

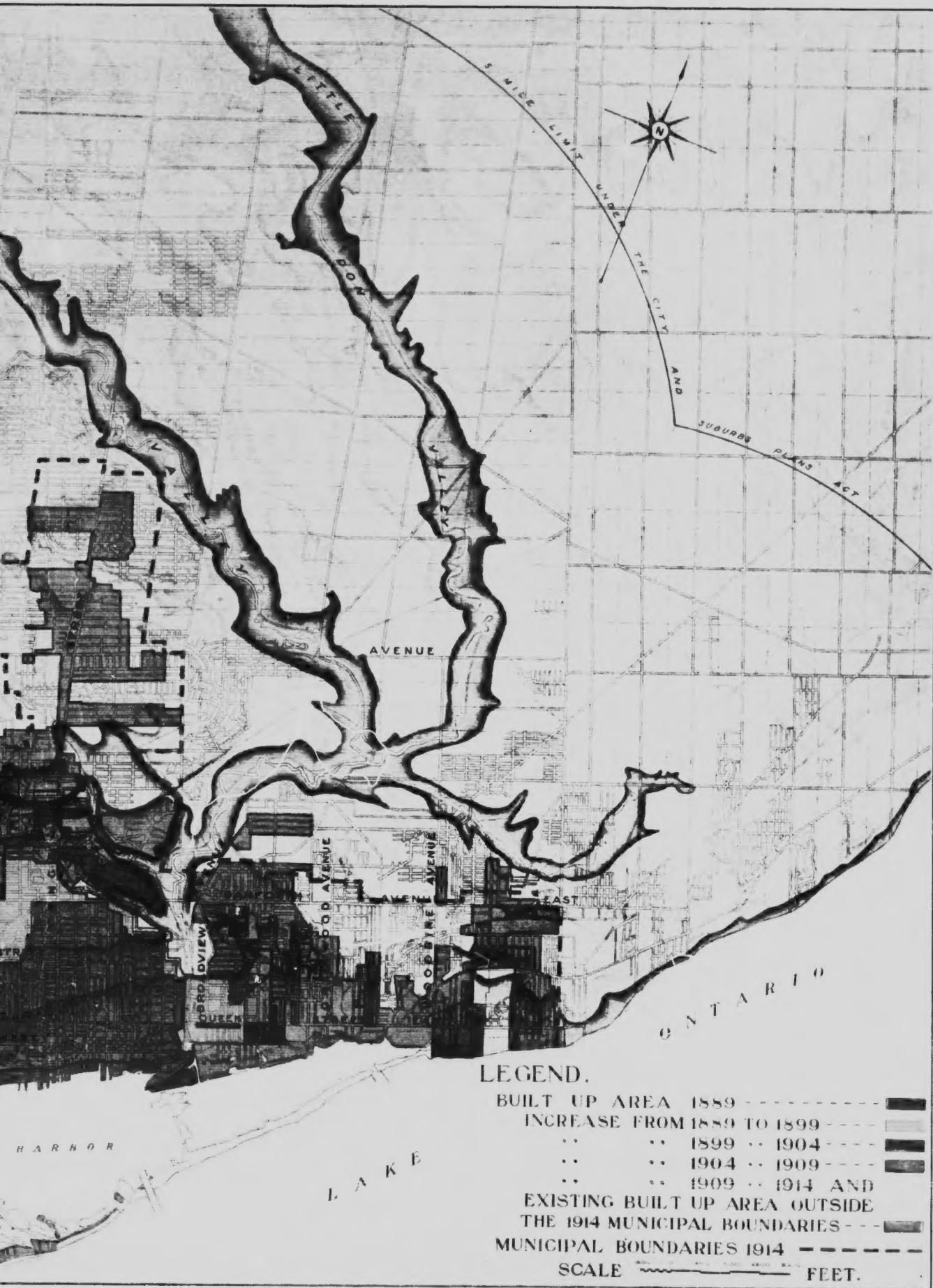
OWNED BY	INDICATION	ORIGINAL GRANTOR	FRANCHISES AND OPERATING AGREEMENTS
Railway Company	—	City of Toronto	From line within City Limits for 10 years terminating September 1, 1929. The franchise may be renewed by the City or taken by default from the City for the period of time to revert to the City.
City, Suburb, Etc.	—	Avenue Road Line from Queen Avenue to St. George Avenue. Special Agreement terminating September 1, 1929.	
Suburban Railway	—	City, Suburb, Etc.	Line from Queen Street Line (Milton Avenue to East City Limits) constructed by the City, Suburb, Etc. and Queen's Railway by direction of the Legislature.
Suburban Railway	—	Township of Etobicoke	Rail Lines the franchises for which have reverted to the City of Toronto but which are being operated by the Toronto & York Radial Railway pending the conclusion of an arrangement for the franchise to reversion to the Township of Etobicoke. The franchise is for 25 years terminating October 1, 1928. The franchise is for 25 years terminating October 1, 1928.
Suburban Railway	—	County of York	Franchise on Yonge Street from Farnham Avenue North for 35 years terminating 31st February 1929 renewable for further periods and terms to be settled by arbitration.
Suburban Railway	—	Township of Etobicoke	Franchise on Lake Shore Road for 25 years in the Township of Etobicoke terminating 1st May 1929 renewable for further periods and terms to be settled by arbitration.
Suburban Railway	—	Town of Weston	Franchise on Yonge Street from Farnham Avenue North for 35 years terminating 31st February 1929 renewable for further periods and terms to be settled by arbitration.
Suburban Railway	—	Township of Weston	Franchise on the Weston Road in the Township of Weston for 25 years terminating October 1, 1928 renewable for further periods and terms to be settled by arbitration.
Eastern Railway	—	Town of Weston	Franchise on the Streets of the Town for 10 years terminating October 27, 1928.
Eastern Railway	—	Ontario Charter	Franchise on the Streets of the Town of Weston for 10 years terminating October 27, 1928.
Eastern Railway	—	Dominion Charter	Deviation on the Weston Road between the Town of Weston and the Town of Weston for 10 years terminating October 27, 1928.
Eastern Railway	—	Ontario Charter	Construction to be commenced in 2 years and be completed in 5 years from 1st April 1915.
Eastern Railway	—	Ontario Charter	Construction to be commenced in 2 years and be completed within 5 years from March 31, 1915.

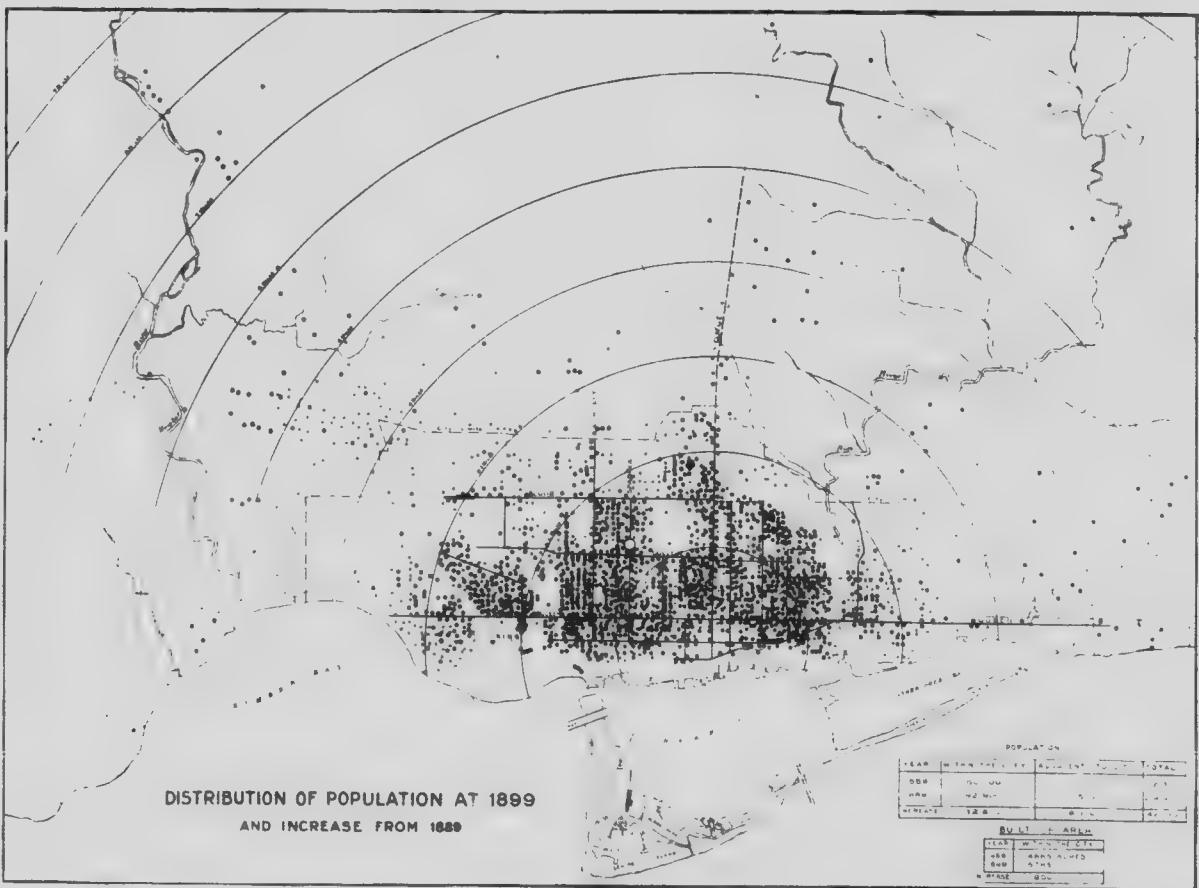
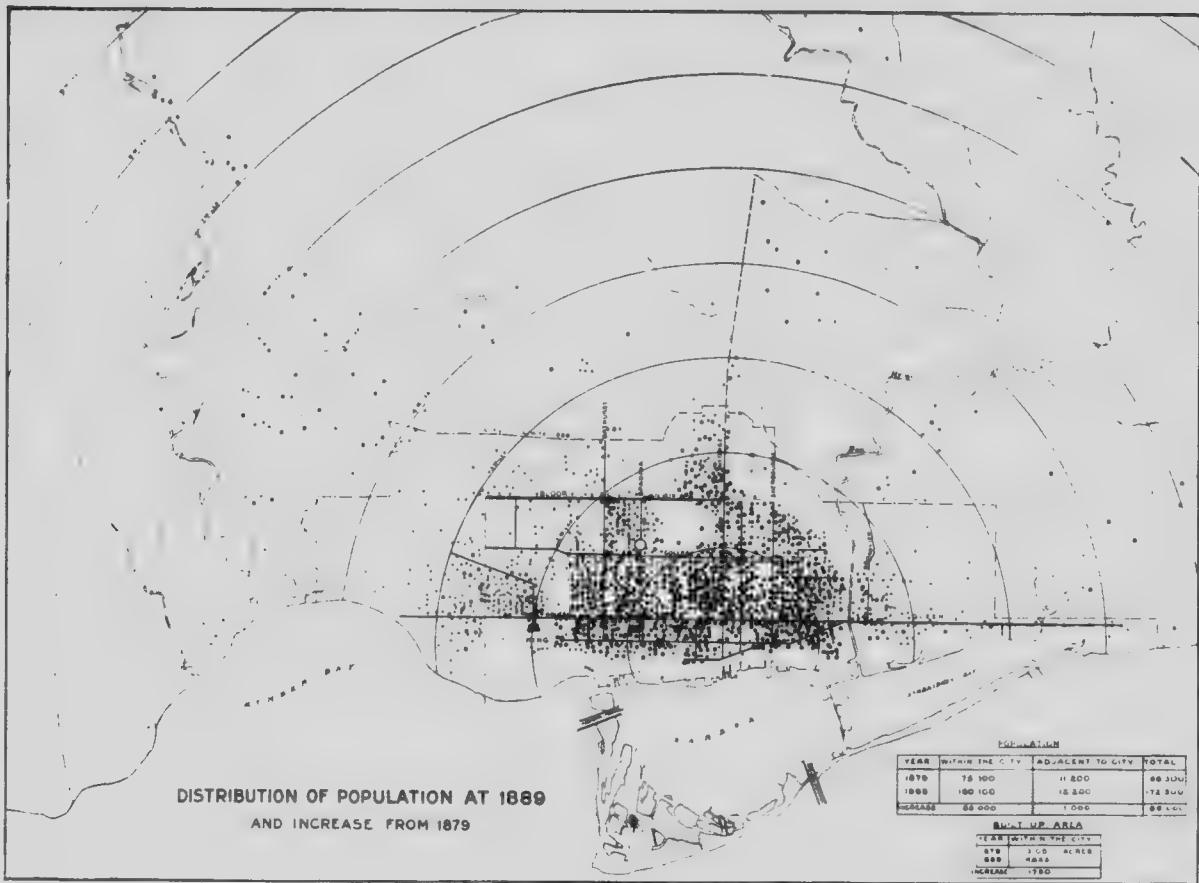
MAP SHOWING  
LIMITS OF BUILT UP AREA  
FOR 1889, 1899, 1904, 1909, 1914  
AND THE RELATION OF THE GROWTH  
TO THE TOPOGRAPHICAL BARRIERS  
SURROUNDING TORONTO.

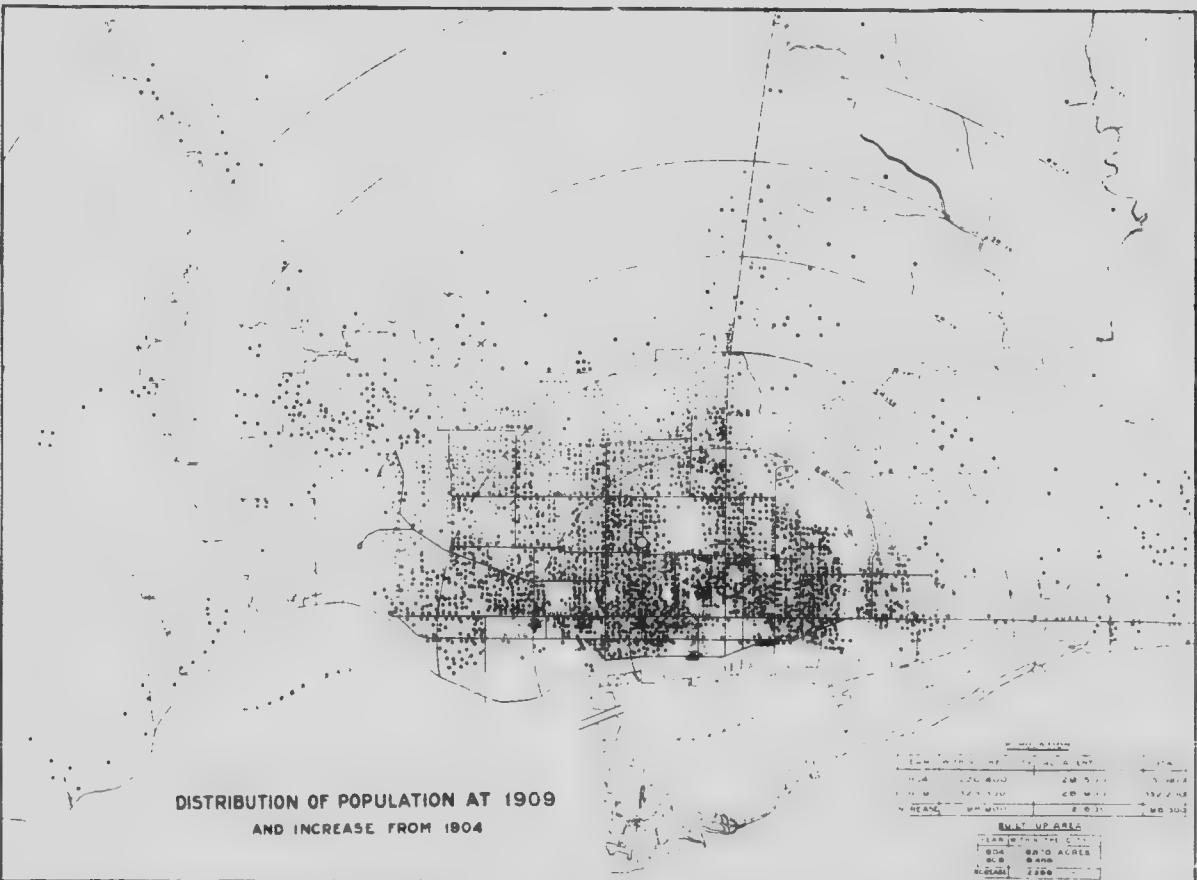
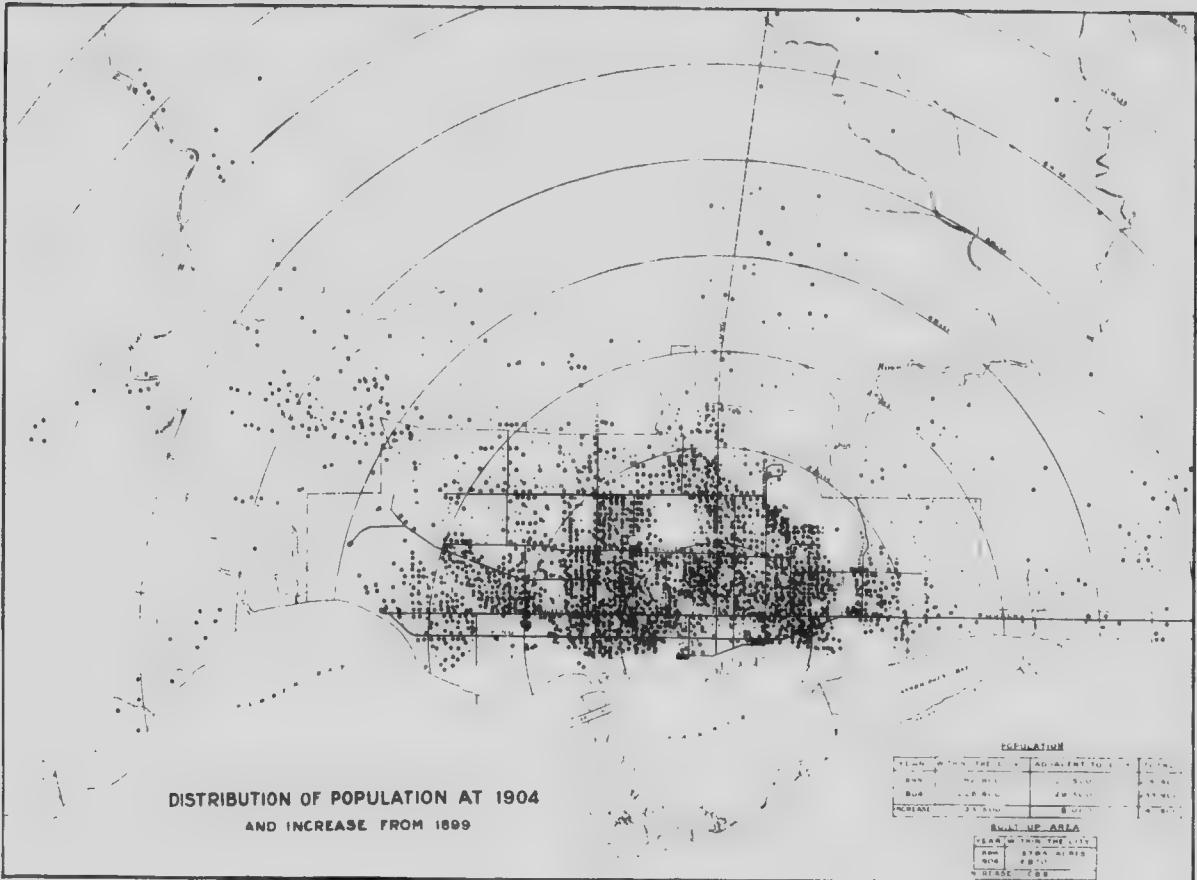


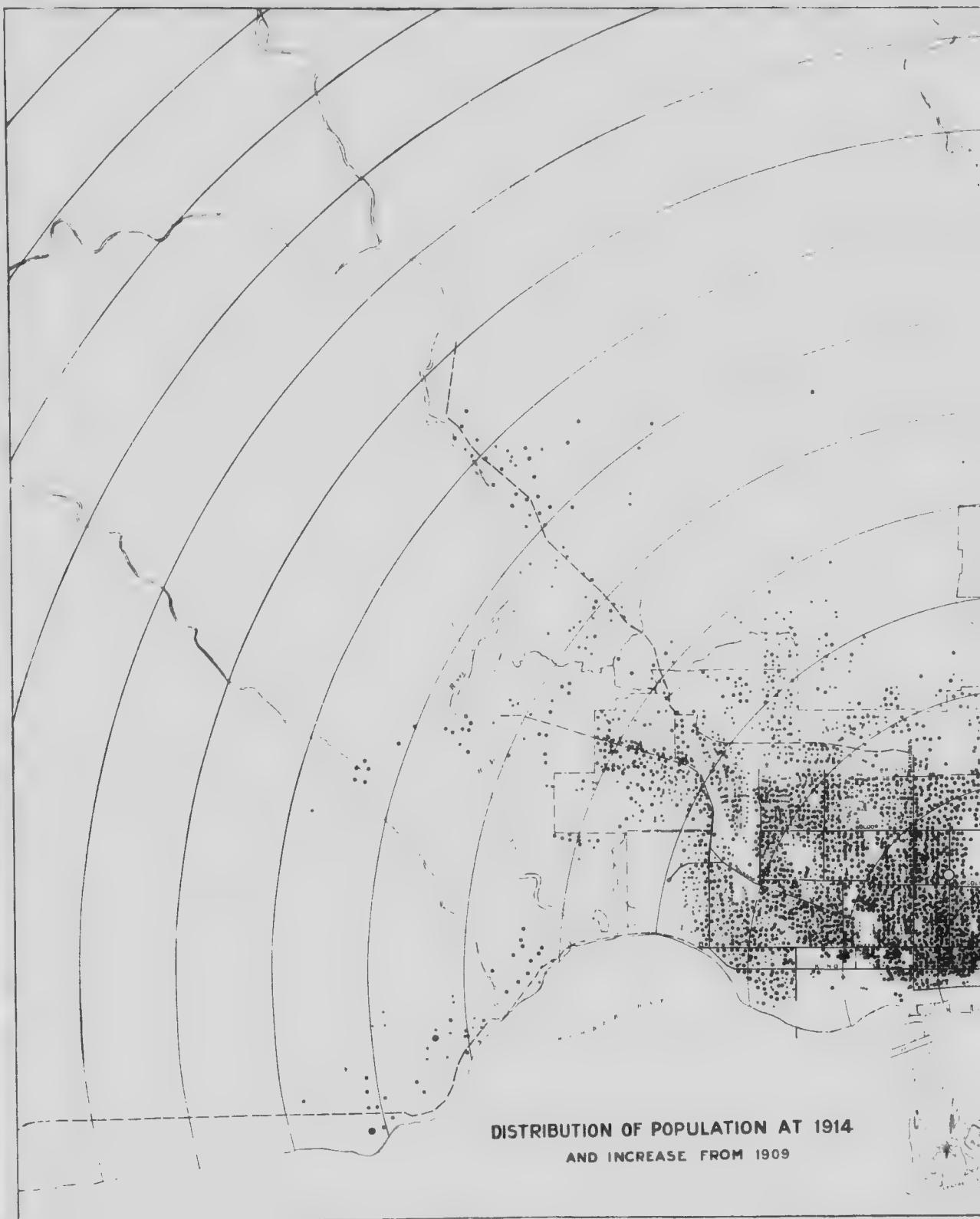
CIVIC TRANSPORTATION COMMITTEE  
TORONTO, 1915.

Elevations shown are in feet above Mean Sea Level, New York Harbor.



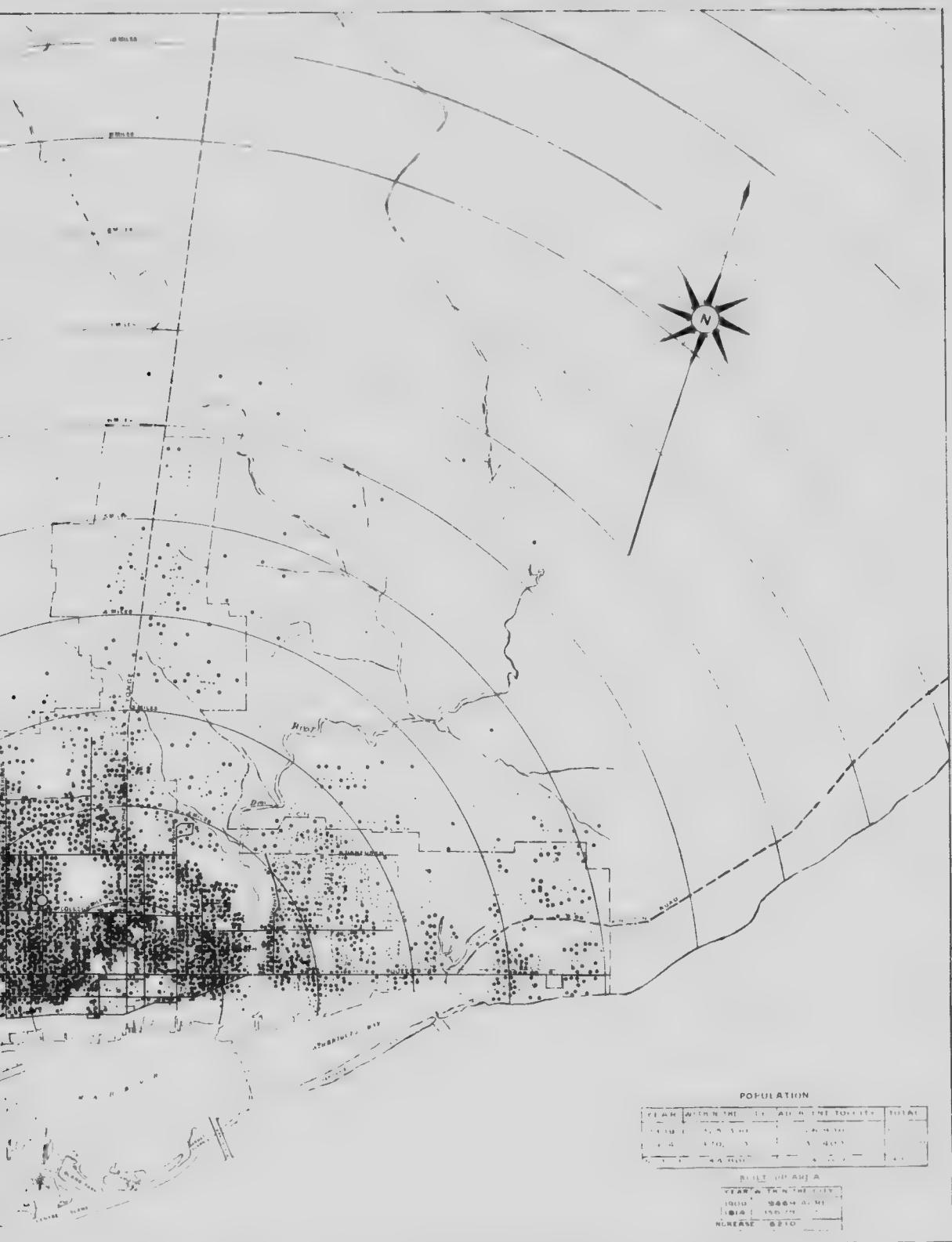






CIVIC TRANSPORTATION COMMITTEE.  
TORONTO, 1915.

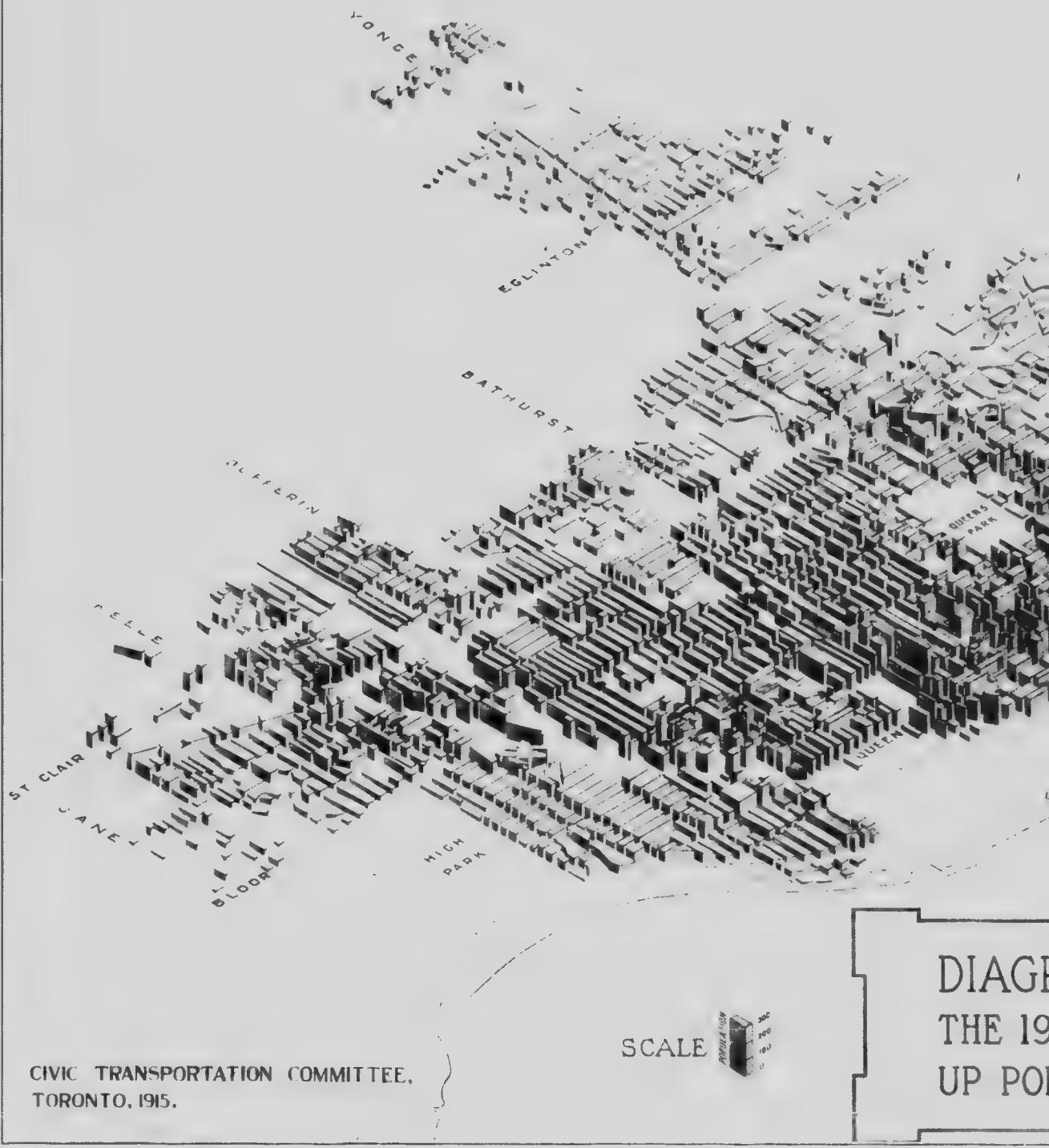
DIAGRAMS SH  
DISTRIBUTION OF  
IN AND SURROUNDING THE  
FROM 1879 TO



S SHOWING  
OF POPULATION  
THE CITY OF TORONTO  
1879 TO 1914

**LEGEND.**

EACH DOT REPRESENTS 100 PEOPLE  
BLACK DOTS INDICATE THE POPULATION REMAINING FROM PREVIOUS PERIOD  
RED DOTS INDICATE THE INCREASE OVER PREVIOUS PERIOD



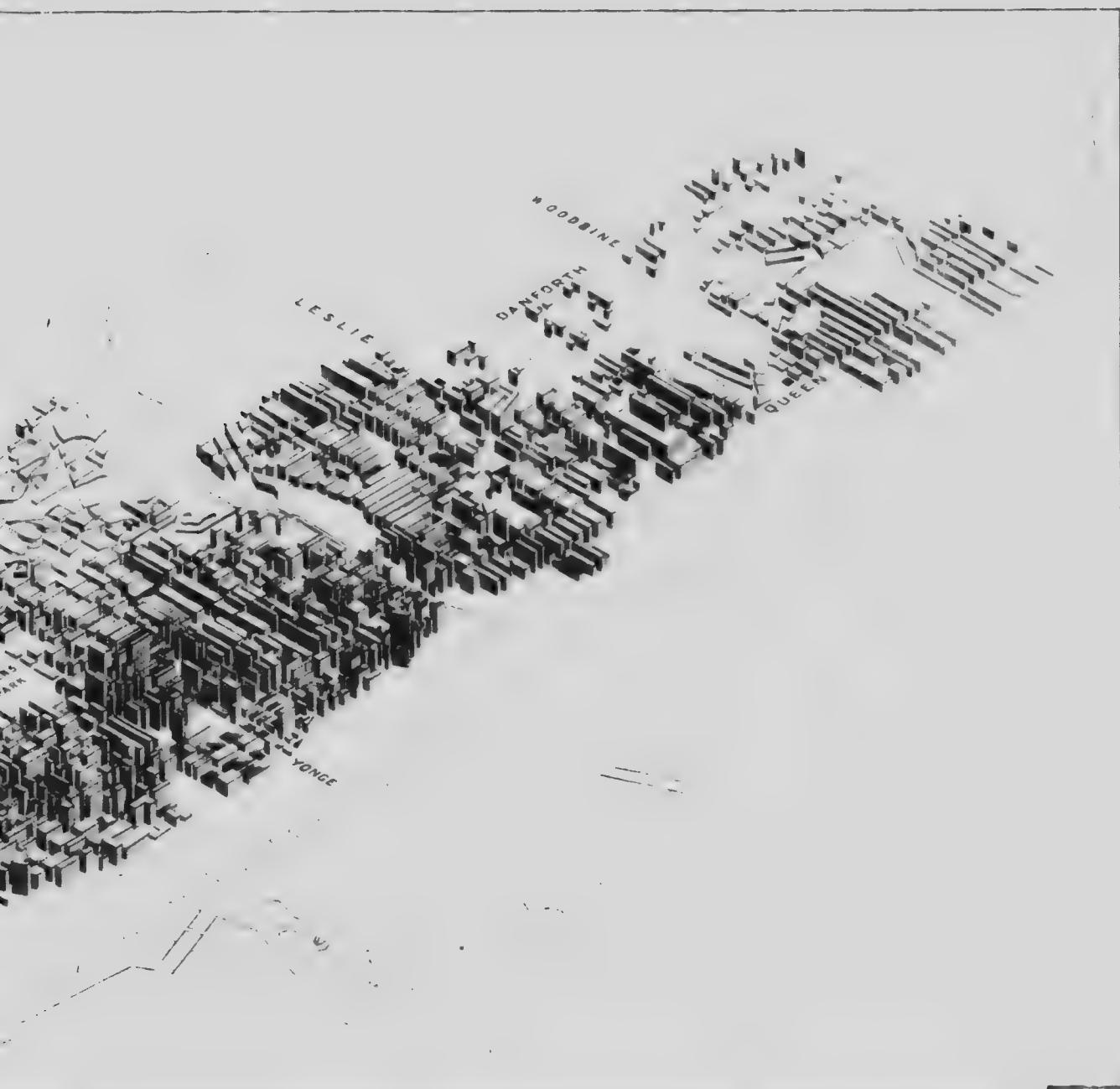
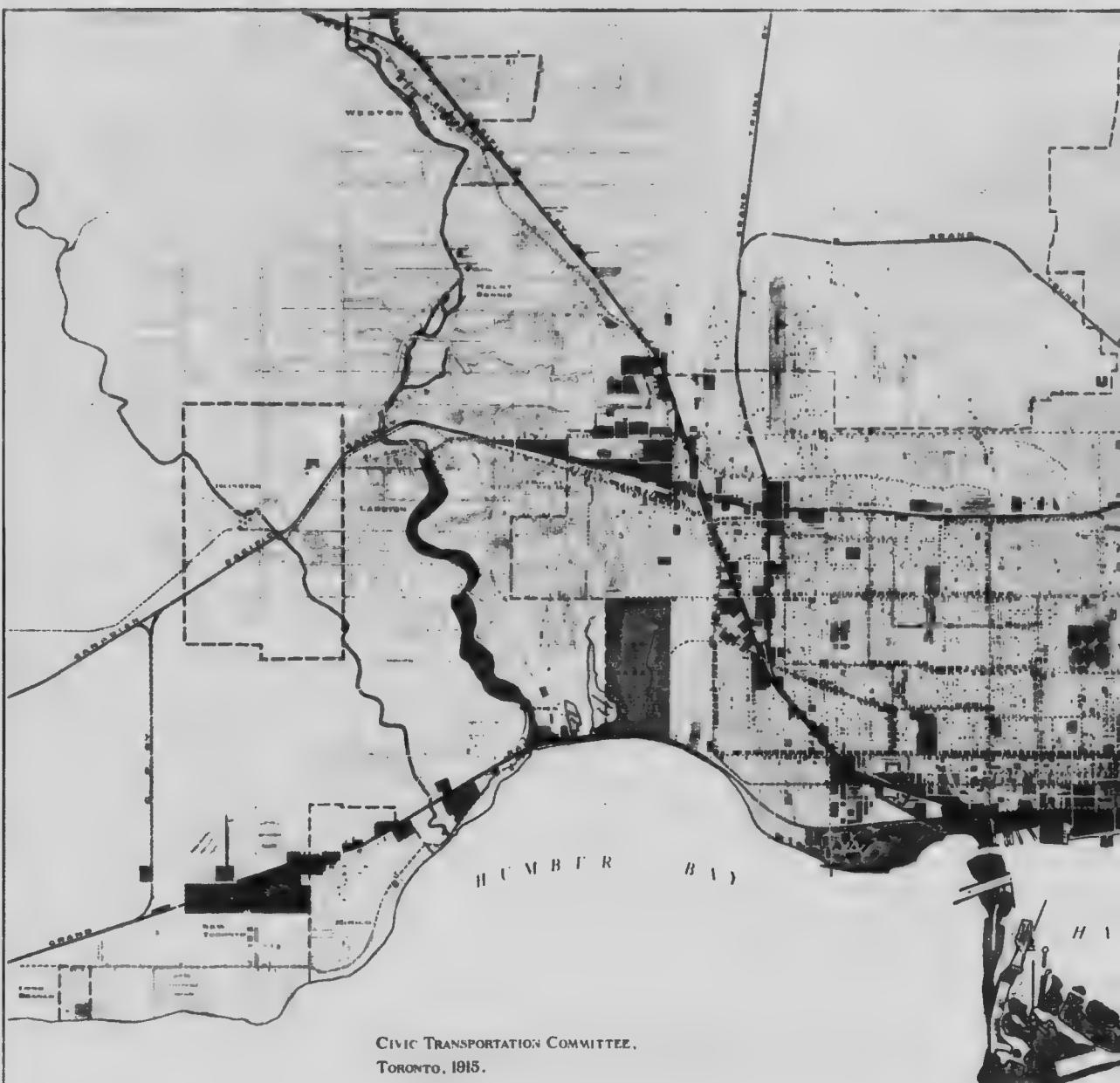


CHART SHOWING IN ISOMETRIC PROJECTION  
THE 1914 POPULATION DENSITY PER ACRE FOR THE BUILT  
UP PORTION OF EACH BLOCK WITHIN THE CITY LIMITS.

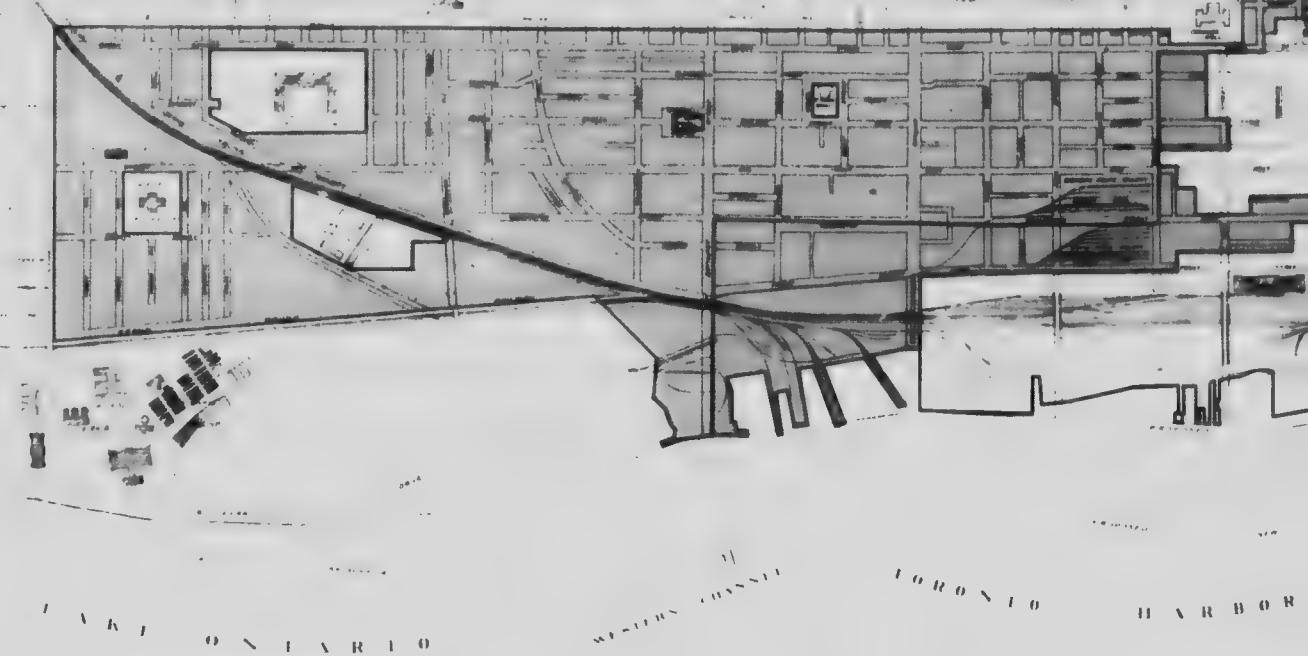


CIVIC TRANSPORTATION COMMITTEE,  
TORONTO, 1915.



STUDY SHOWING GROWTH OF THE  
CENTRAL BUSINESS, MANUFACTURING  
AND WAREHOUSE AREA  
FROM 1879 TO 1899 TO 1914

SCALE 1 INCH = 1000 FEET



CIVIC TRANSPORTATION COMMITTEE  
TORONTO, 1915.

LEGEND:  
AREA      1879  
INCREASE FROM 1879 - 1899  
1899 - 1914

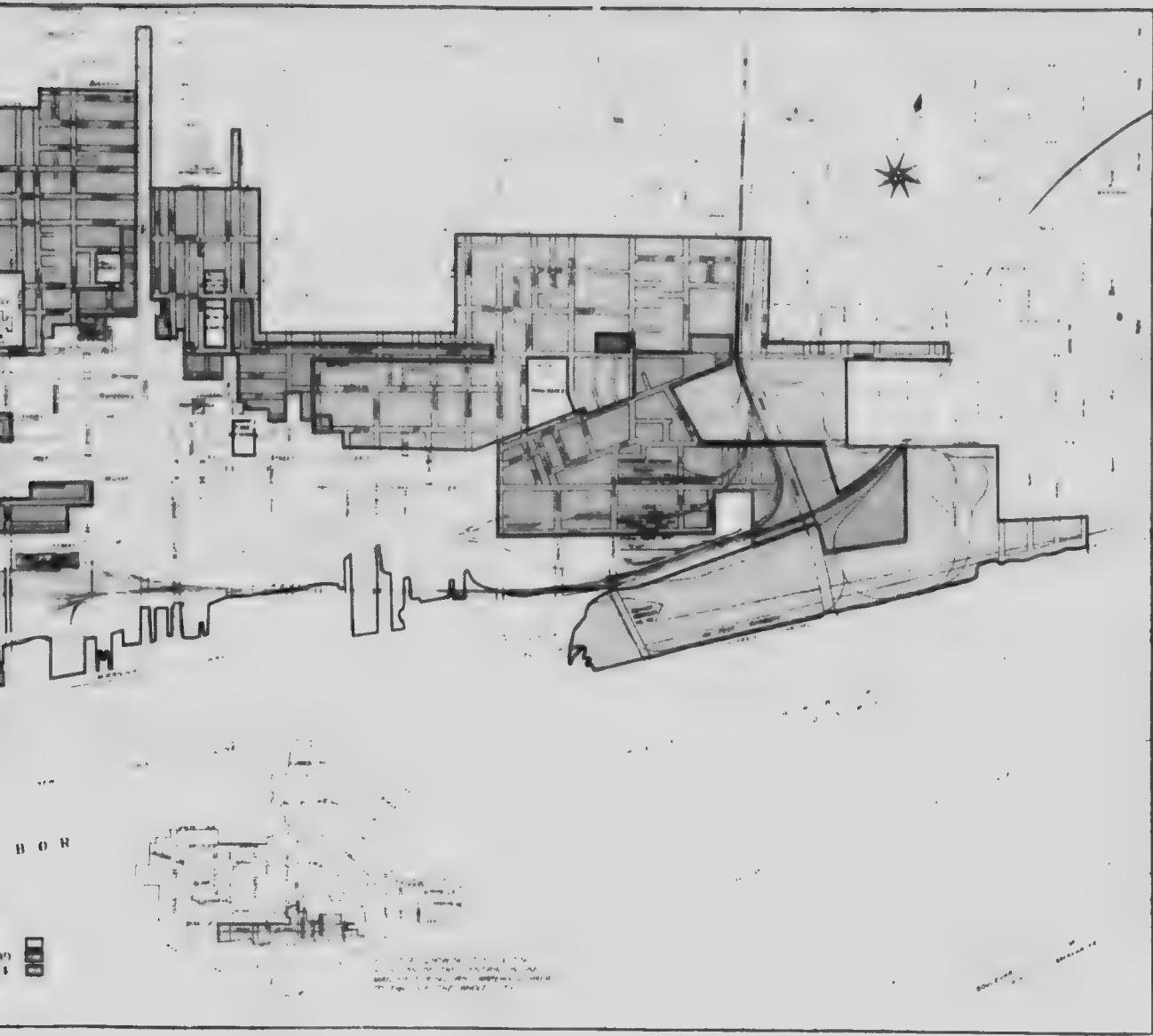


DIAGRAM SHOWING  
NUMBER OF STREET CARS AND VEHICLES  
IN THE DOWNTOWN DISTRICT OF TORONTO . . .  
DURING THE EVENING RUSH HOUR . . .  
AND COMPARISONS WITH OTHER CITIES . . .  
SCALE . . . STREET CARS AND VEHICLES . . .

LEGEND.

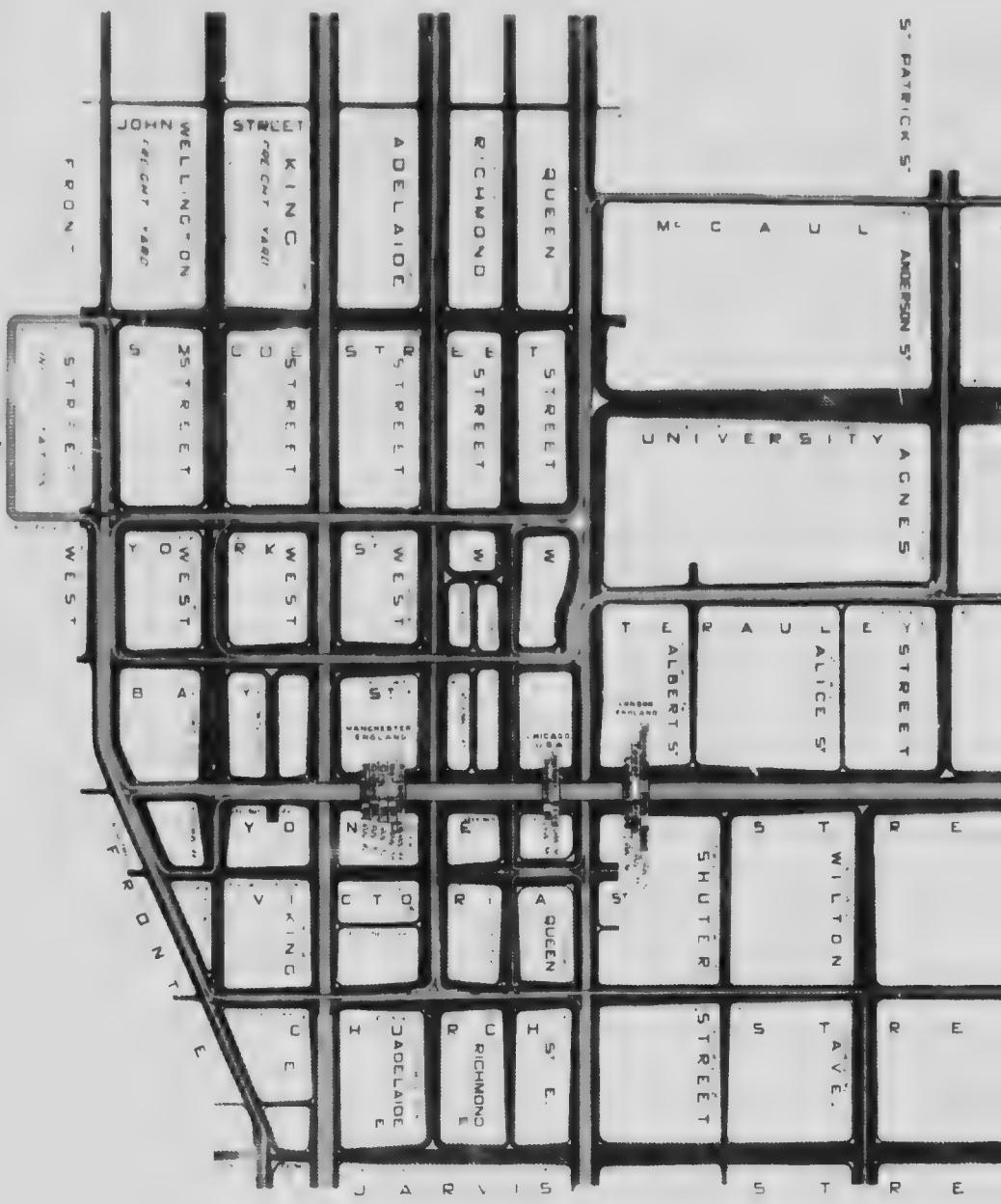
STREET CAR TRAFFIC

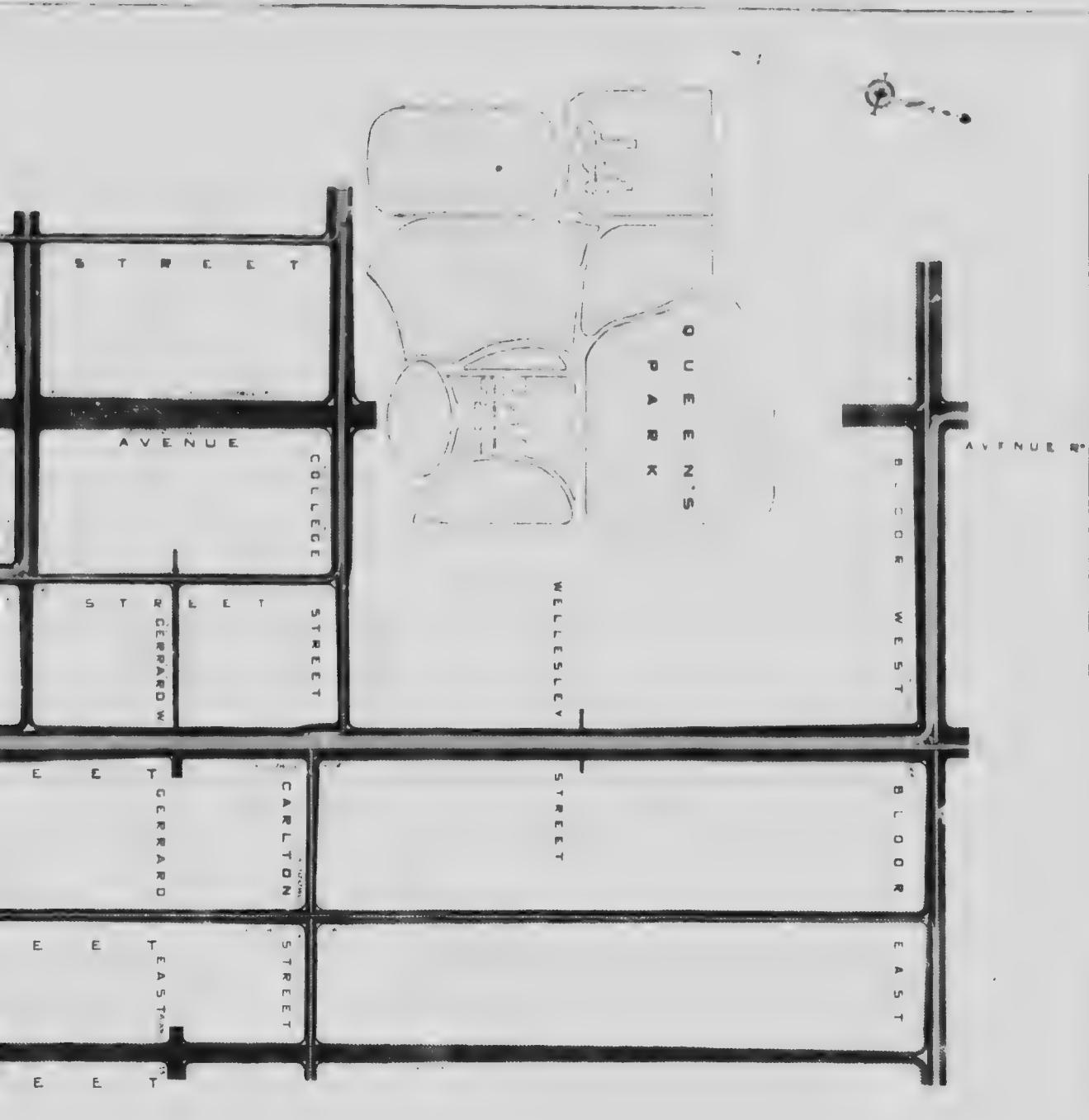


VEHICULAR TRAFFIC

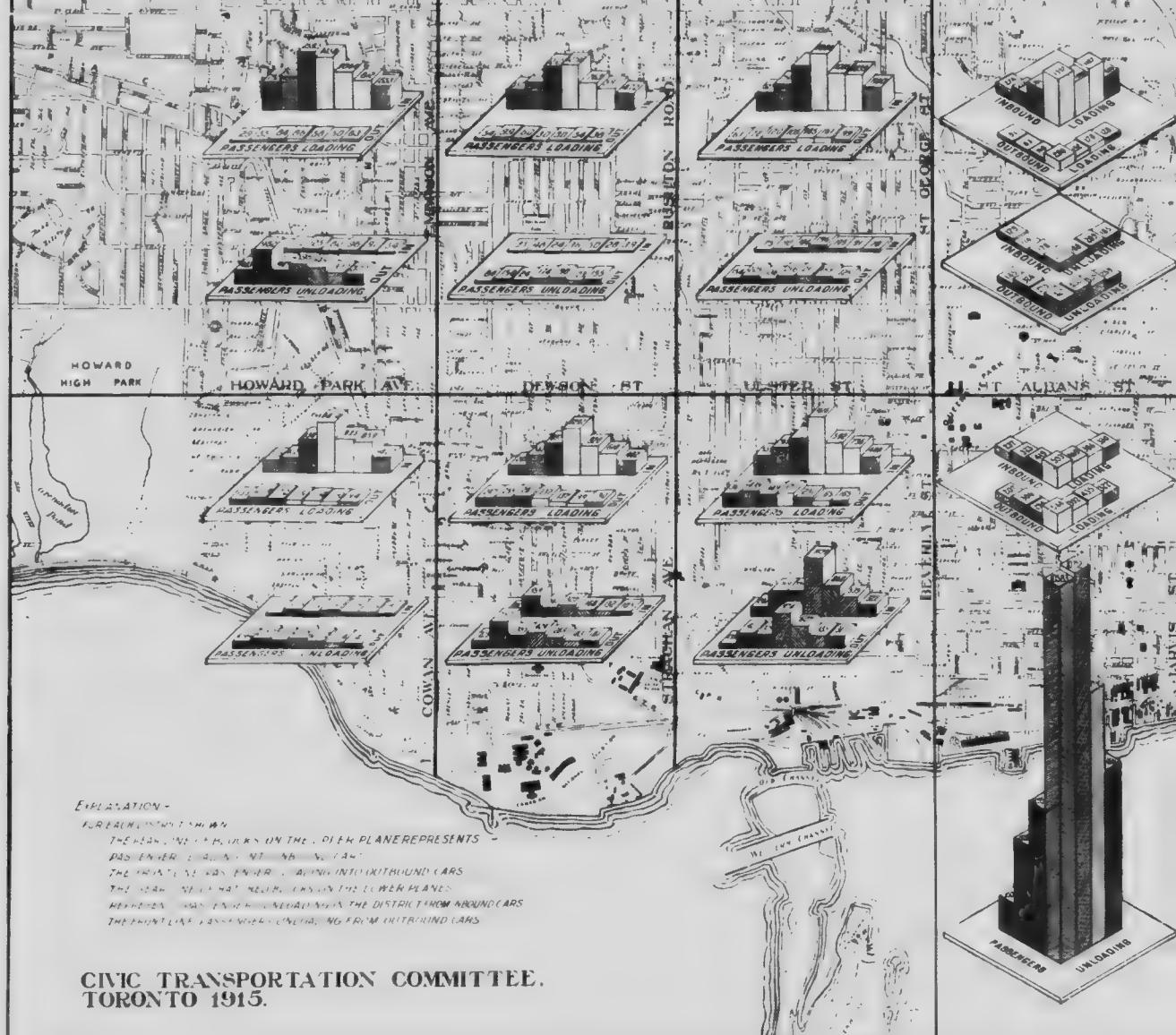


NOTE  
Toronto traffic counts taken mid-week conditions  
between 5 p.m. and 8 p.m.—June 1915 . . .





# ANALYSIS OF PASSENGER MOVEMENTS DURING THE MORNING RUSH PERIOD SHOWING THE DIFFERENT REQUIREMENTS FOR CARS IN THE VARIOUS SECTIONS OF THE CITY



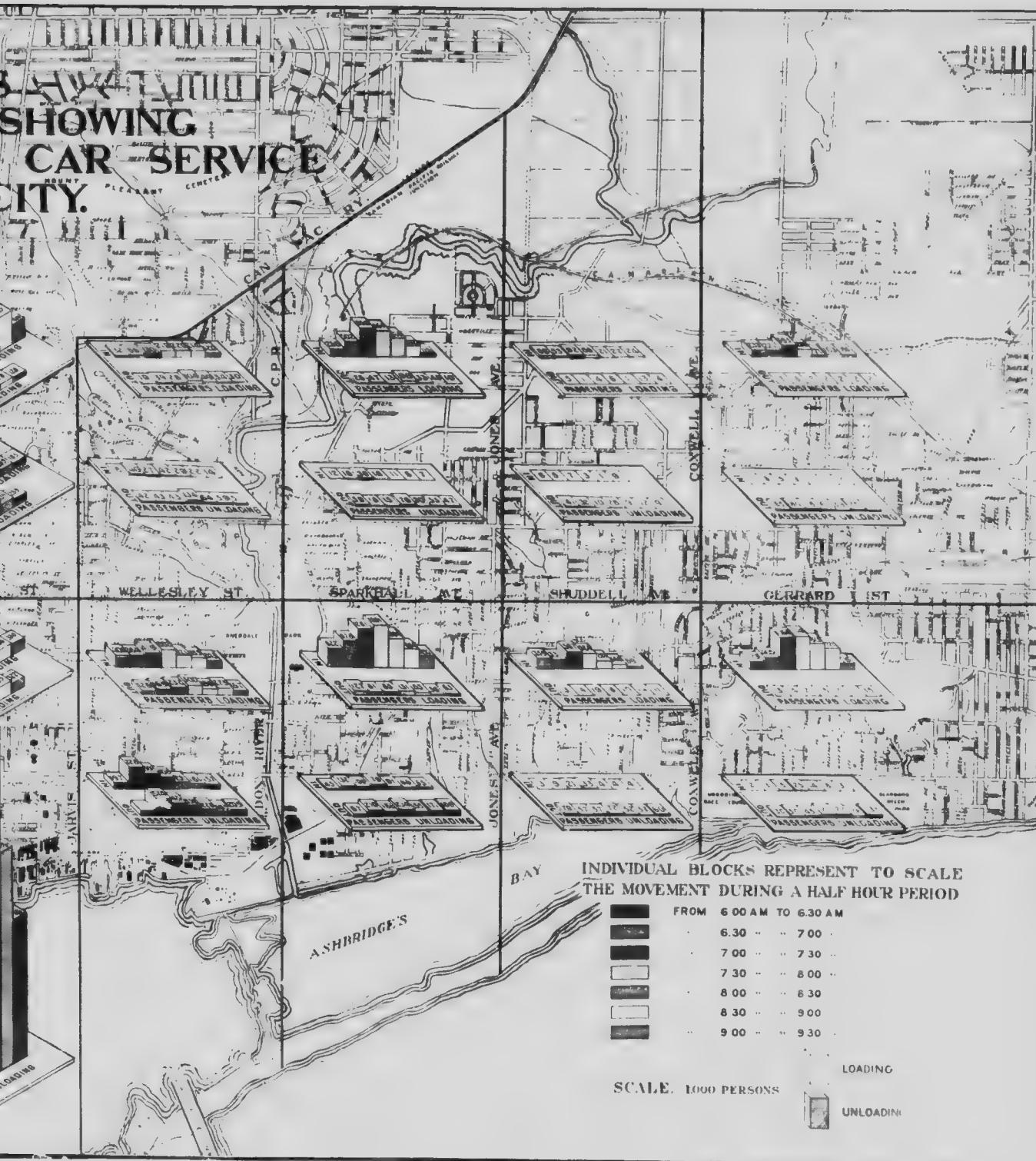
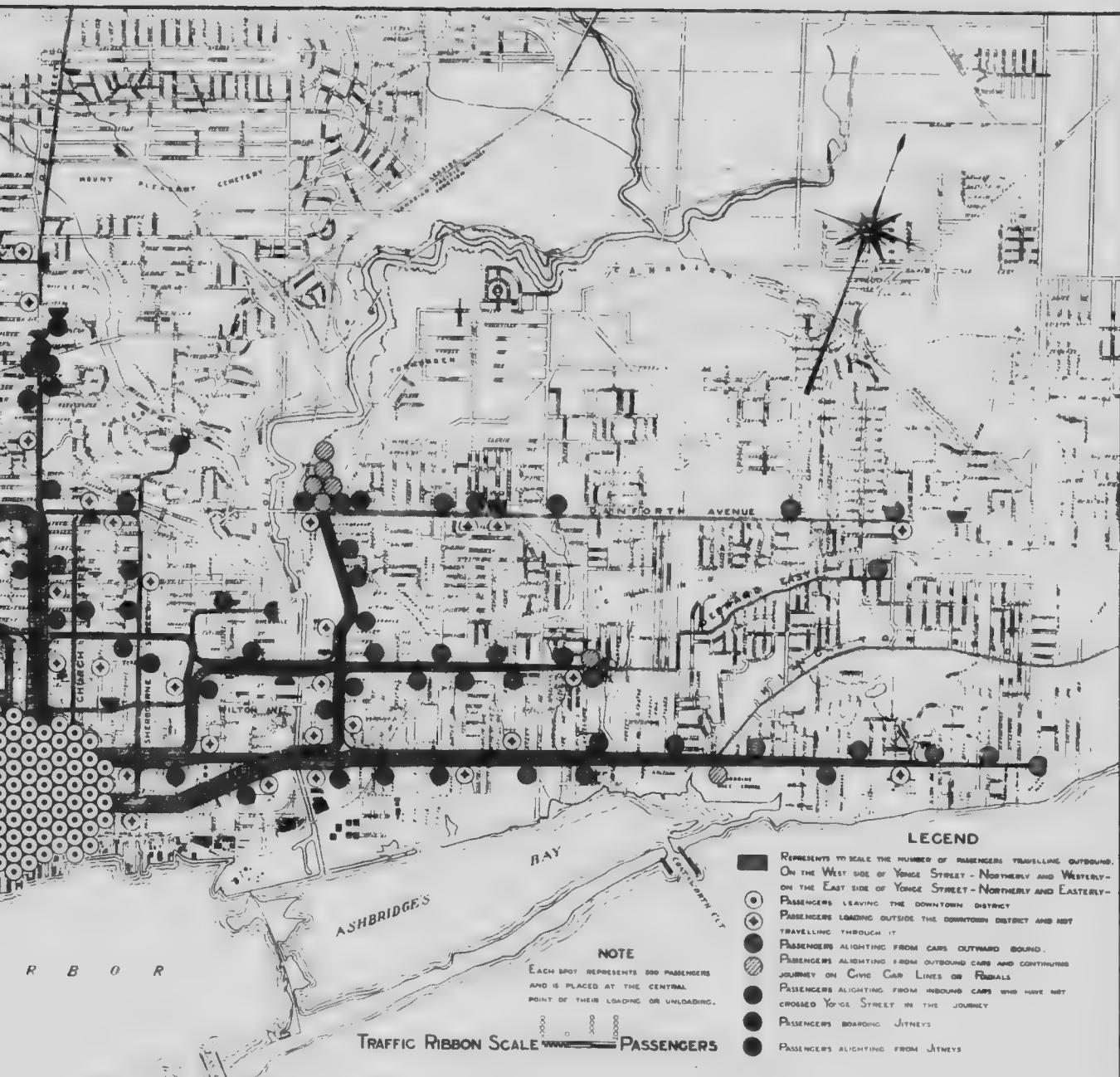
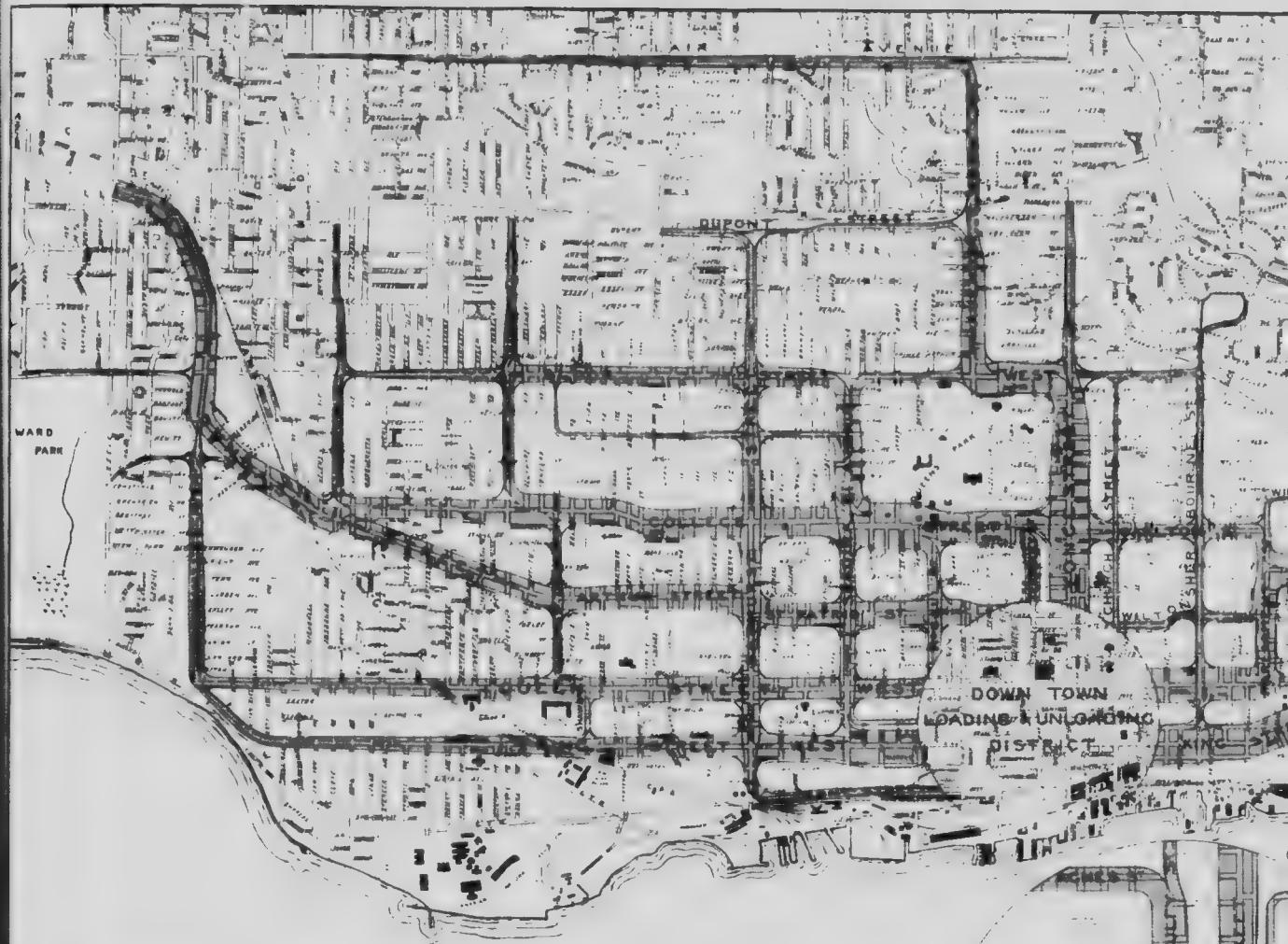


DIAGRAM SHOWING  
HOMeward-PASSENGER MOVEMENT  
DURING THE EVENING RUSH PERIOD  
MID-WEEK CONDITIONS 4:30 TO 7:00 P.M.

SCALE 1 MILE = 1 FEET





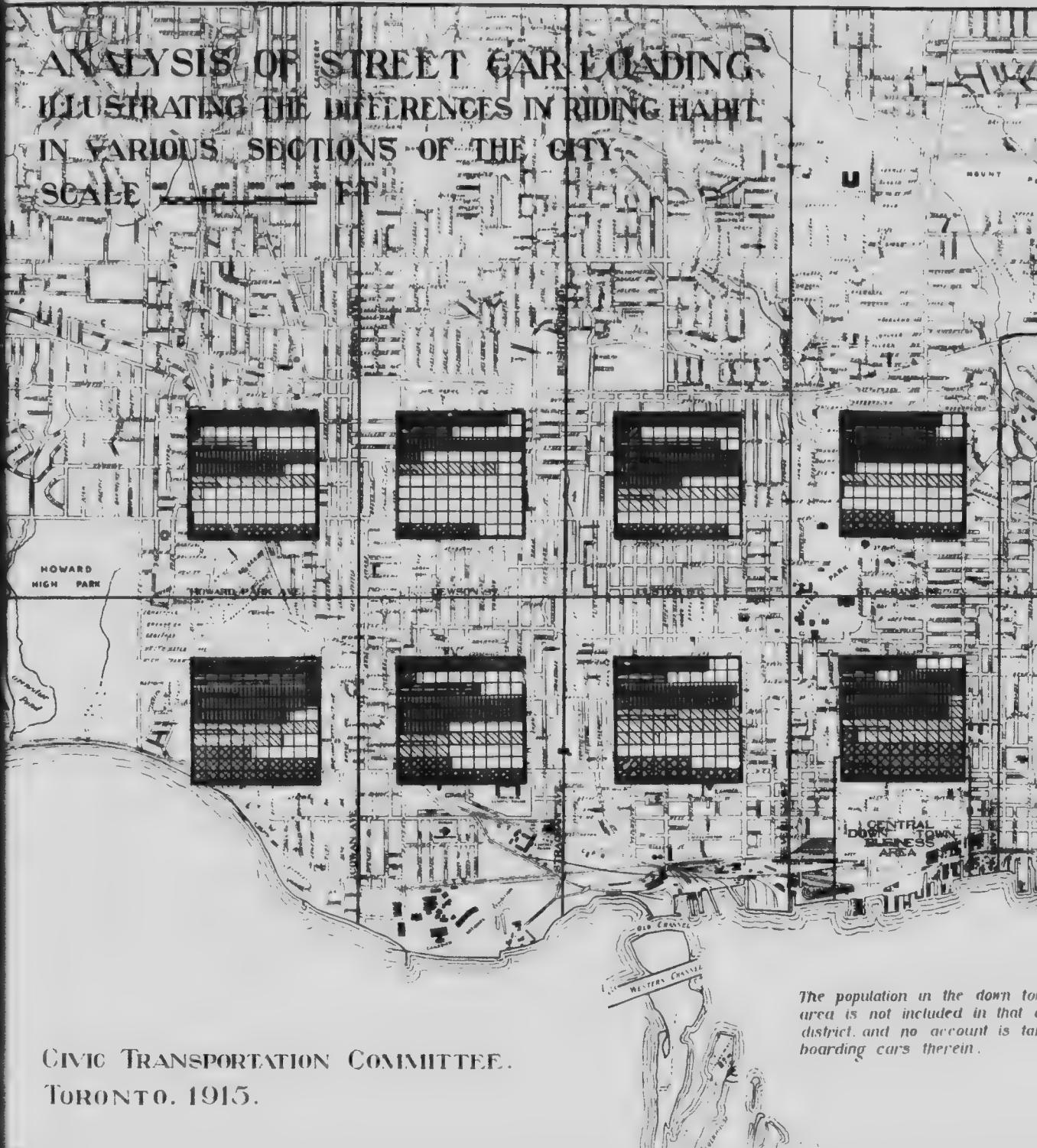


**DIAGRAM SHOWING VOLUME AND  
DISTRIBUTION OF DAILY PASSENGER  
TRAFFIC ON VARIOUS STREET CAR  
ROUTES IN THE CITY OF TORONTO  
UNDER NORMAL MIDWEEK CONDITIONS  
DURING AUGUST 1915.**



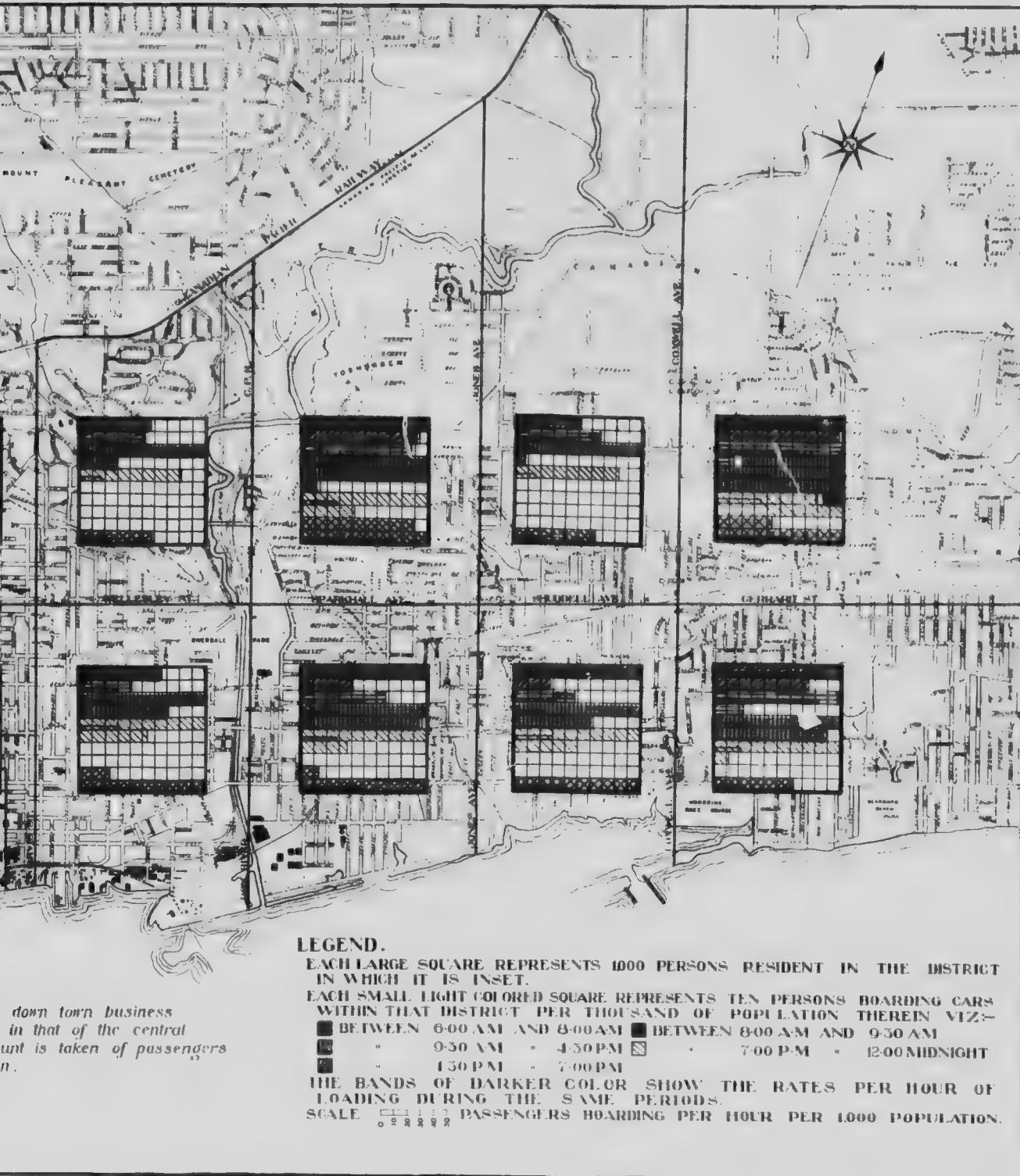
# ANALYSIS OF STREET CAR LOADING ILLUSTRATING THE DIFFERENCES IN RIDING HABIT IN VARIOUS SECTIONS OF THE CITY

SCALE - 1/4 MILE = 1 FT.

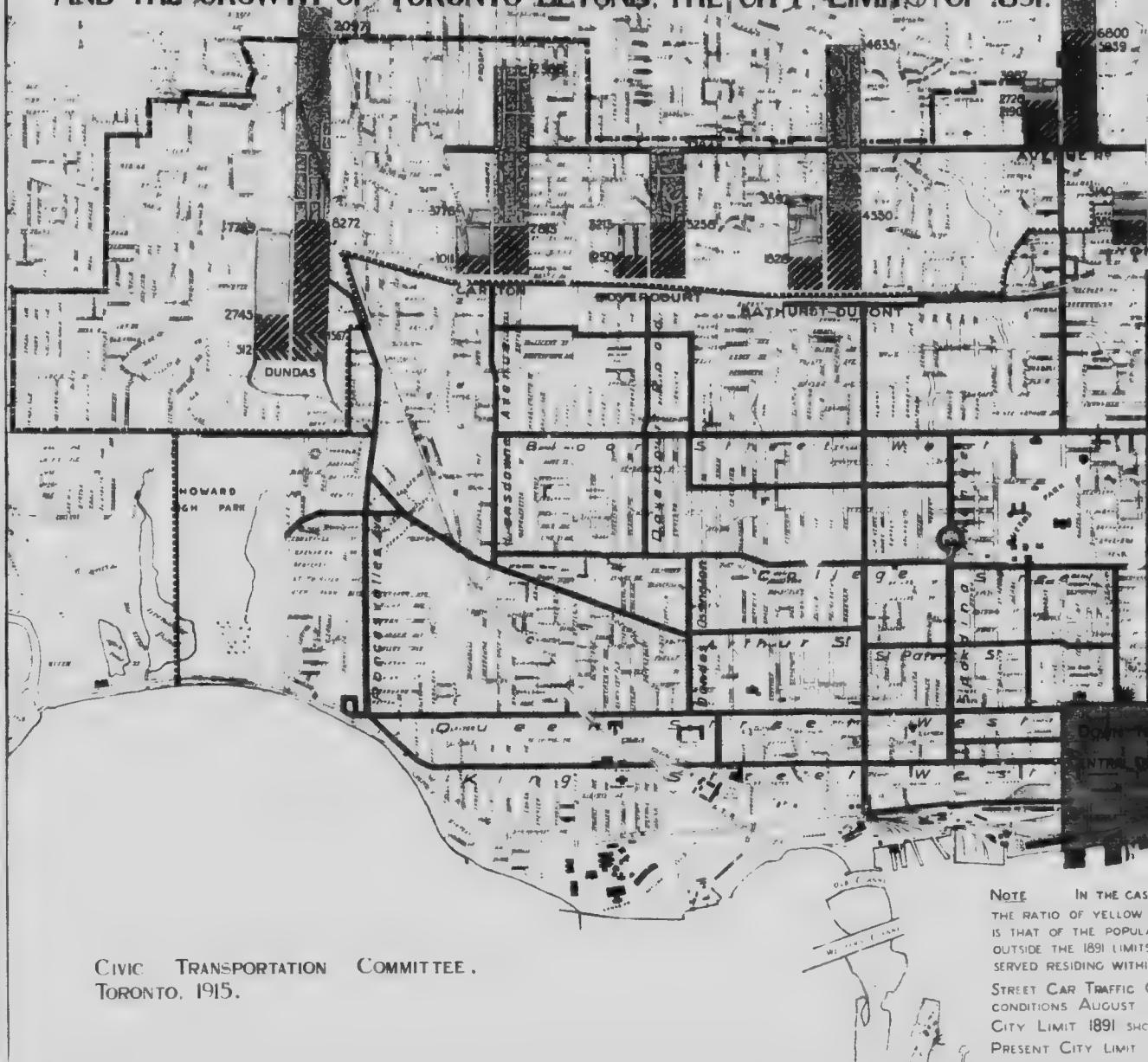


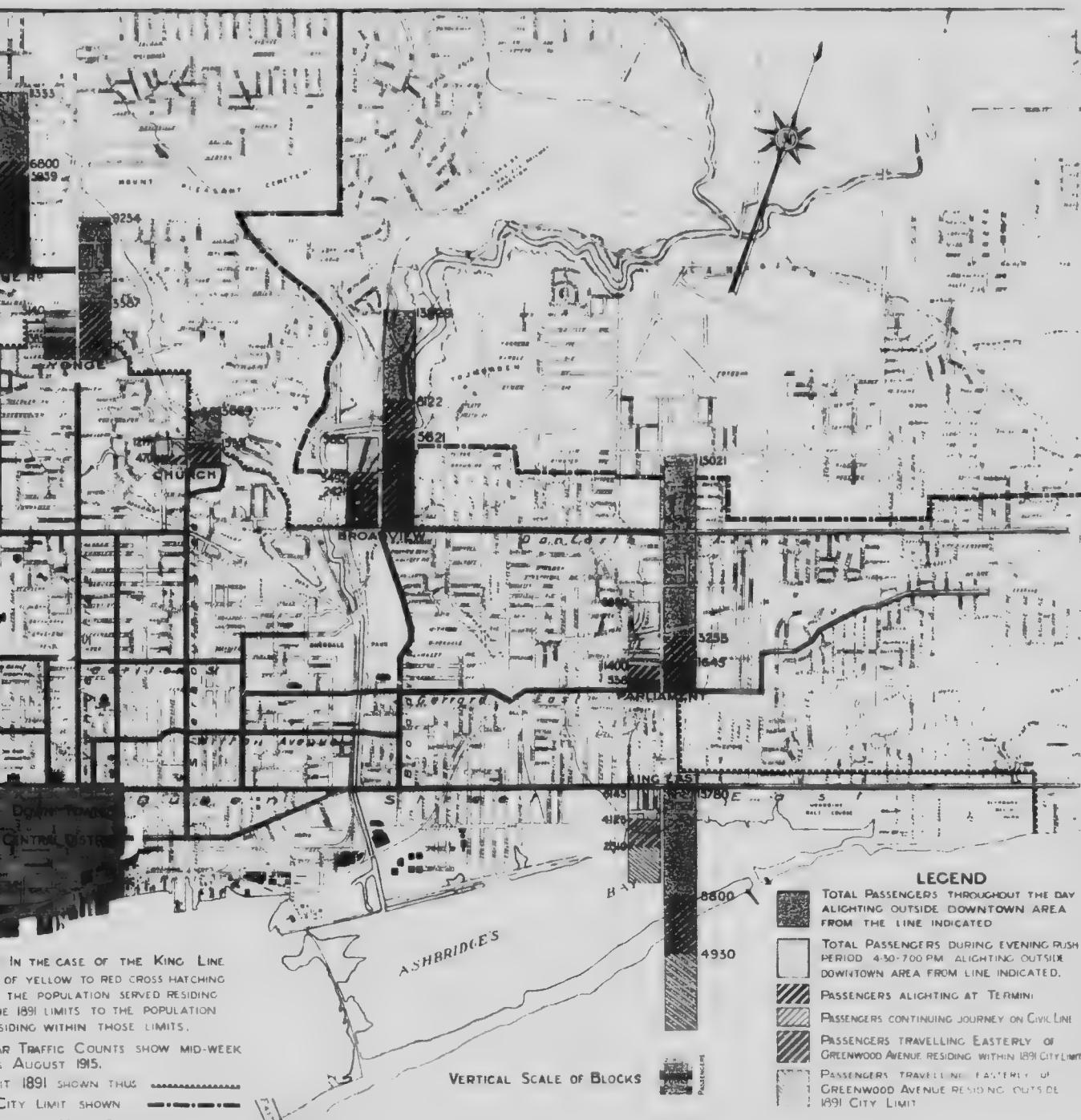
CIVIC TRANSPORTATION COMMITTEE.  
TORONTO, 1915.

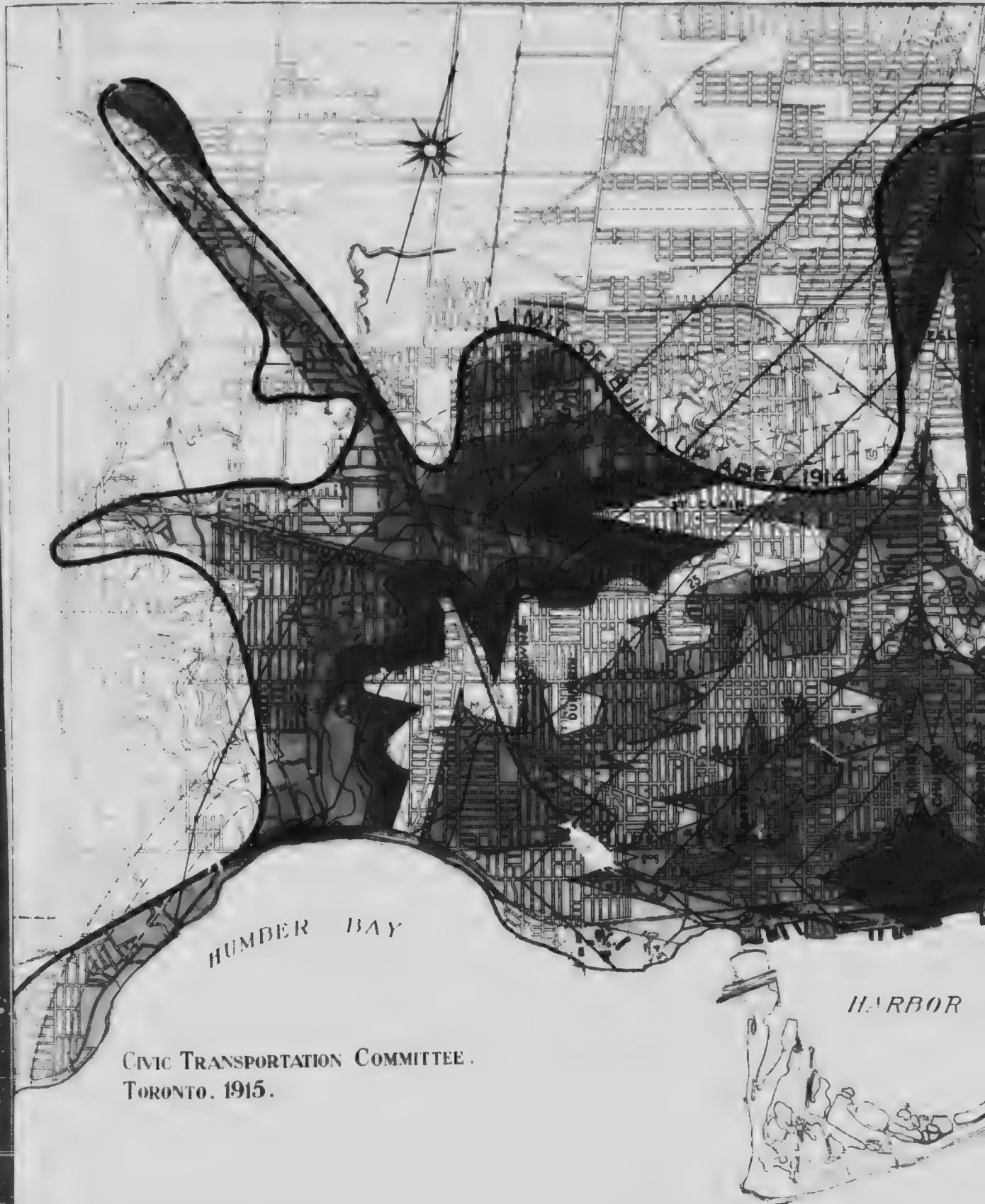
The population in the down town area is not included in that district, and no account is taken of boarding cars therein.



PLAN EXEMPLIFYING CONDITIONS ARISING FROM  
CONFINEMENT OF THE TORONTO RAILWAY COMPANY'S LINES WITHIN  
AND THE GROWTH OF TORONTO BEYOND THE CITY LIMITS OF 1891.







CIVIC TRANSPORTATION COMMITTEE.  
TORONTO, 1915.

TIME ZONE CHART  
SHOWING MINIMUM TIME IN  
WHICH JOURNEY CAN BE MADE  
FROM KING & YONGE STS.  
USING THE EXISTING SURFACE  
TRANSIT FACILITIES.

SCALE  FT.

THE TIME ZONES SHOWN IN COLOR DENOTE  
THE TIME IN MINUTES FROM THE INTERSECTION  
OF KING AND YONGE ST'S.  
RED LINES INDICATE DISTANCE VIA THE  
STREET SYSTEM IN MILES FROM THE  
INTERSECTION OF KING AND YONGE ST'S.

NOTE In making this reproduction the mile distance  
lines are shown in black. On original color drawings  
these are shown in red



CIVIC TRANSPORTATION COMMITTEE.  
TORONTO, 1915.

TIME ZONE CHART  
SHOWING MINIMUM TIME IN  
WHICH JOURNEY COULD BE  
MADE BY SURFACE TRANSIT  
FROM KING & YONGE STS.  
UNDER ATTAINABLE OPERATING  
CONDITIONS.

SCALE



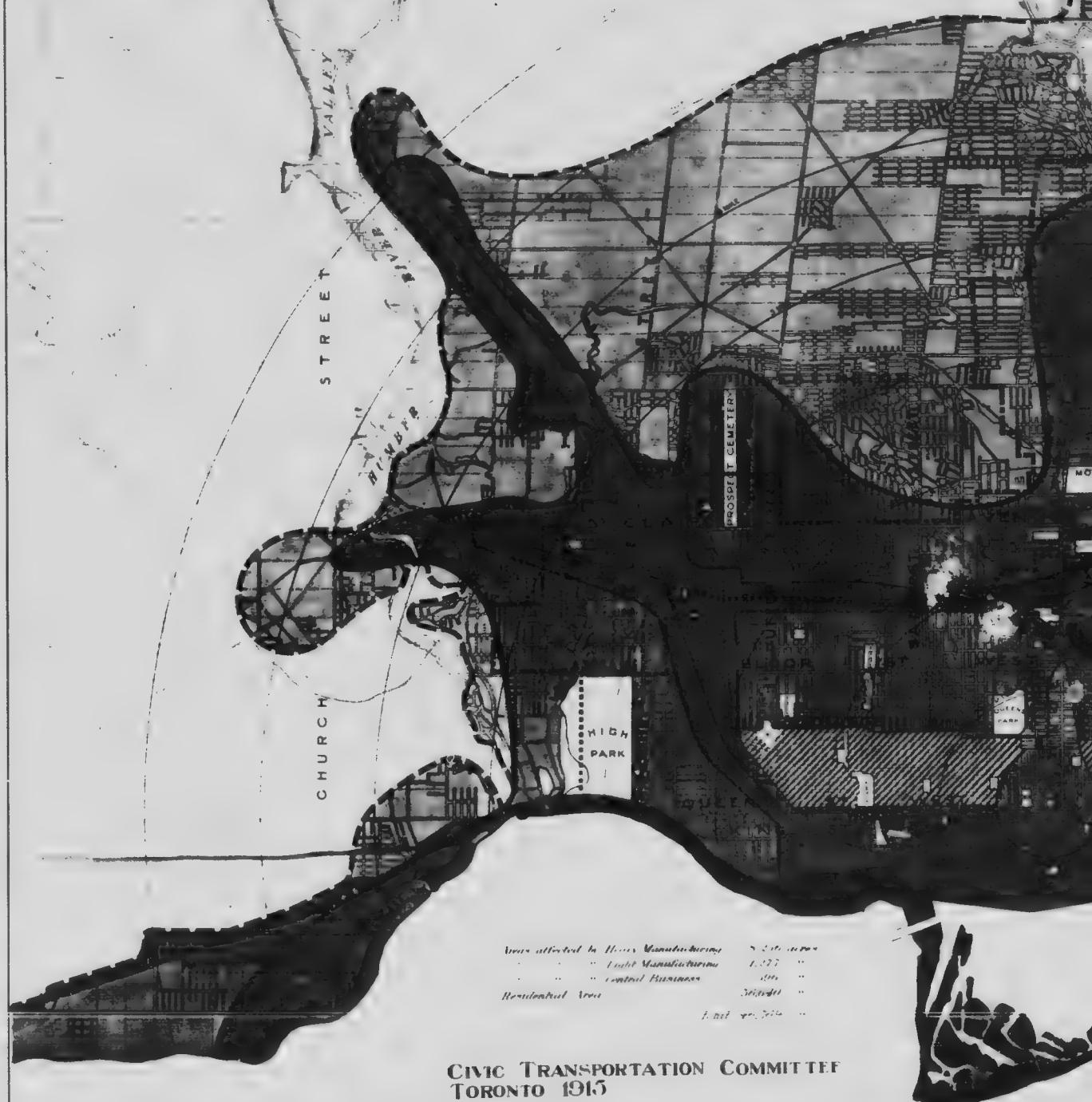
F.T.

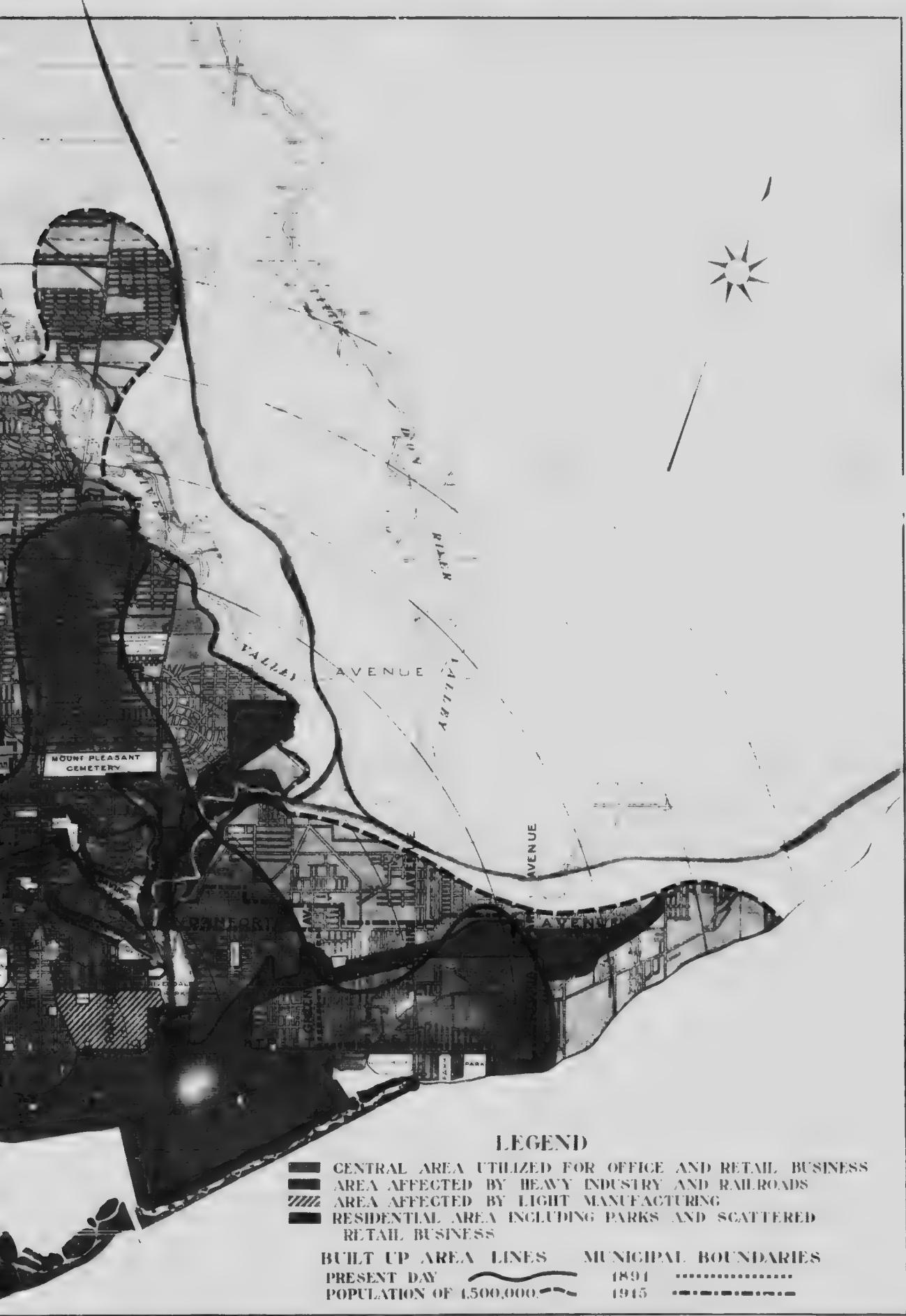
THE TIME ZONES SHOWN IN COLOR DENOTE  
THE TIME IN MINUTES FROM THE INTERSECTION  
OF KING AND YONGE STS.  
RED LINES INDICATE DISTANCE VIA THE  
STREET SYSTEM IN MILES FROM THE  
INTERSECTION OF KING AND YONGE STS.

NOTE: In making this reproduction the mile distance  
lines are shown in black. On original color diagrams  
these are shown in red.

MAP SHOWING  
EXTENT AND CHARACTER OF OCCUPANCY  
OF THE AREA REQUIRED BY TORONTO  
WITH A POPULATION OF 1,500,000 PEOPLE  
WITHOUT ANY EFFORT BEING MADE TO  
BREAK THE EXISTING BARRIERS.

SCALE 1 MILE = 400 FEET



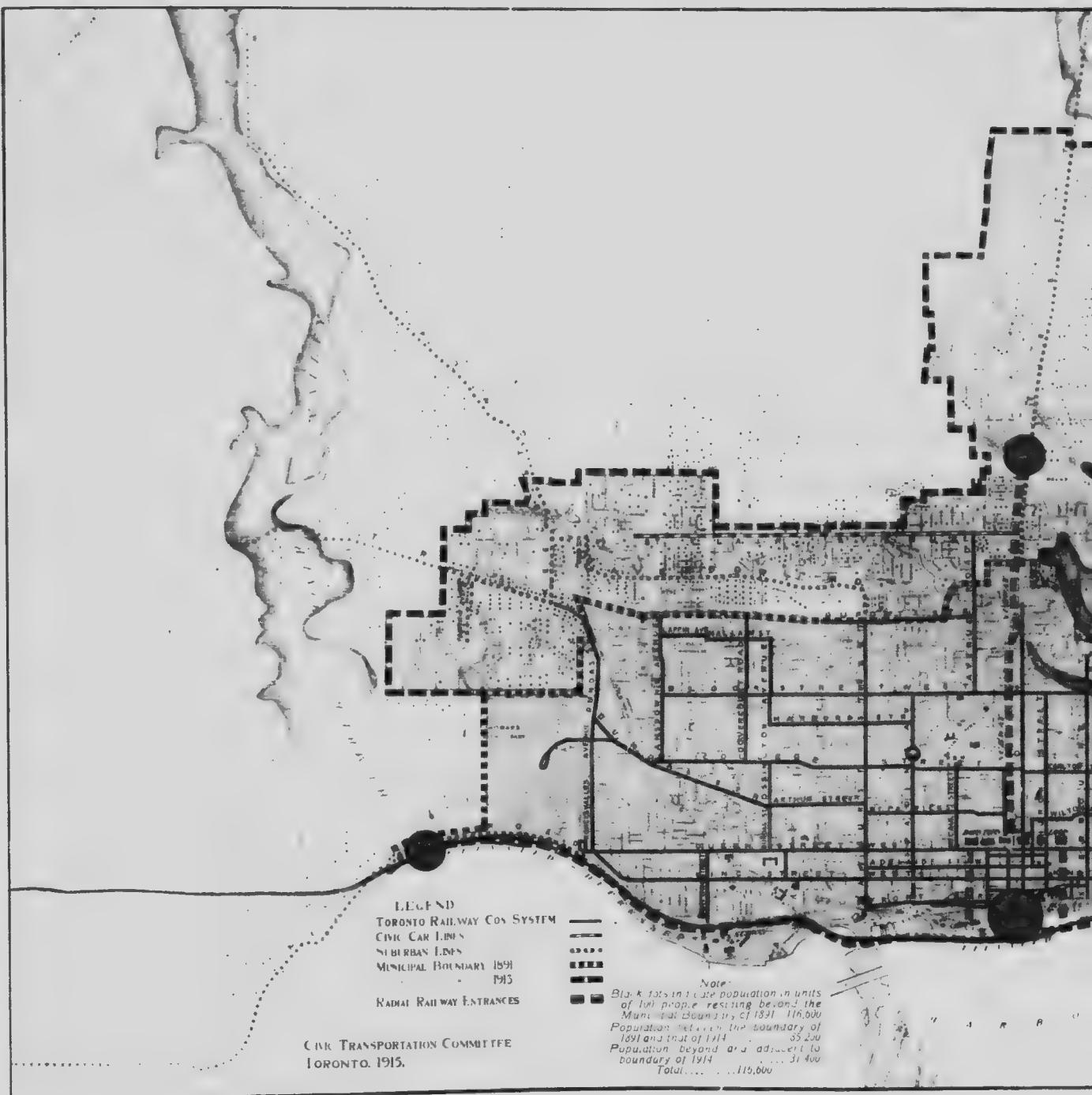


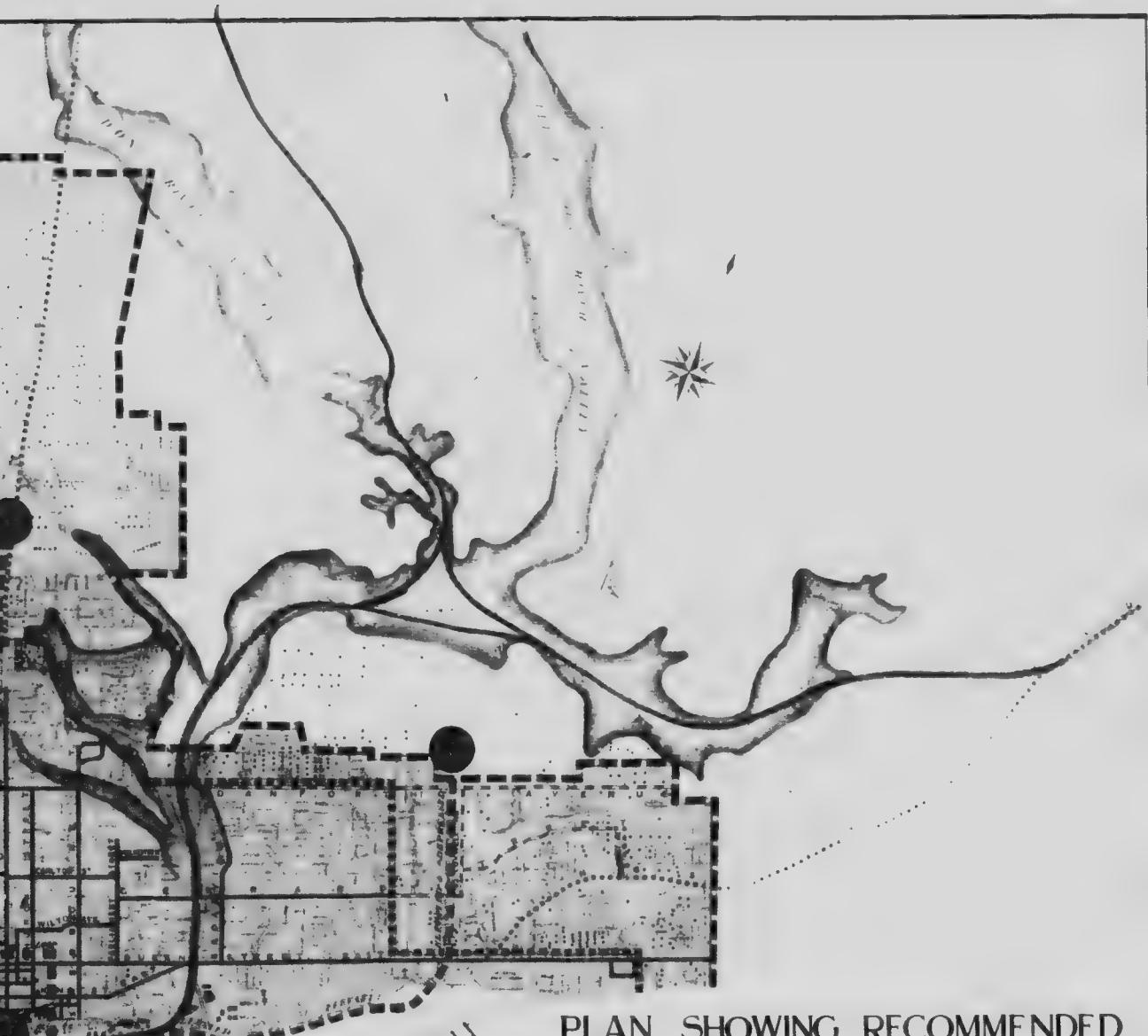
MAP SHOWING  
EXTENT AND CHARACTER OF OCCUPANCY  
OF THE AREA REQUIRED BY TORONTO  
WITH A POPULATION OF 1,500,000 PEOPLE  
ASSUMING THE EXISTING BARRIERS BROKEN  
BY ADEQUATE MEANS OF TRANSPORTATION

SCALE 1 MILE = 100 FEET

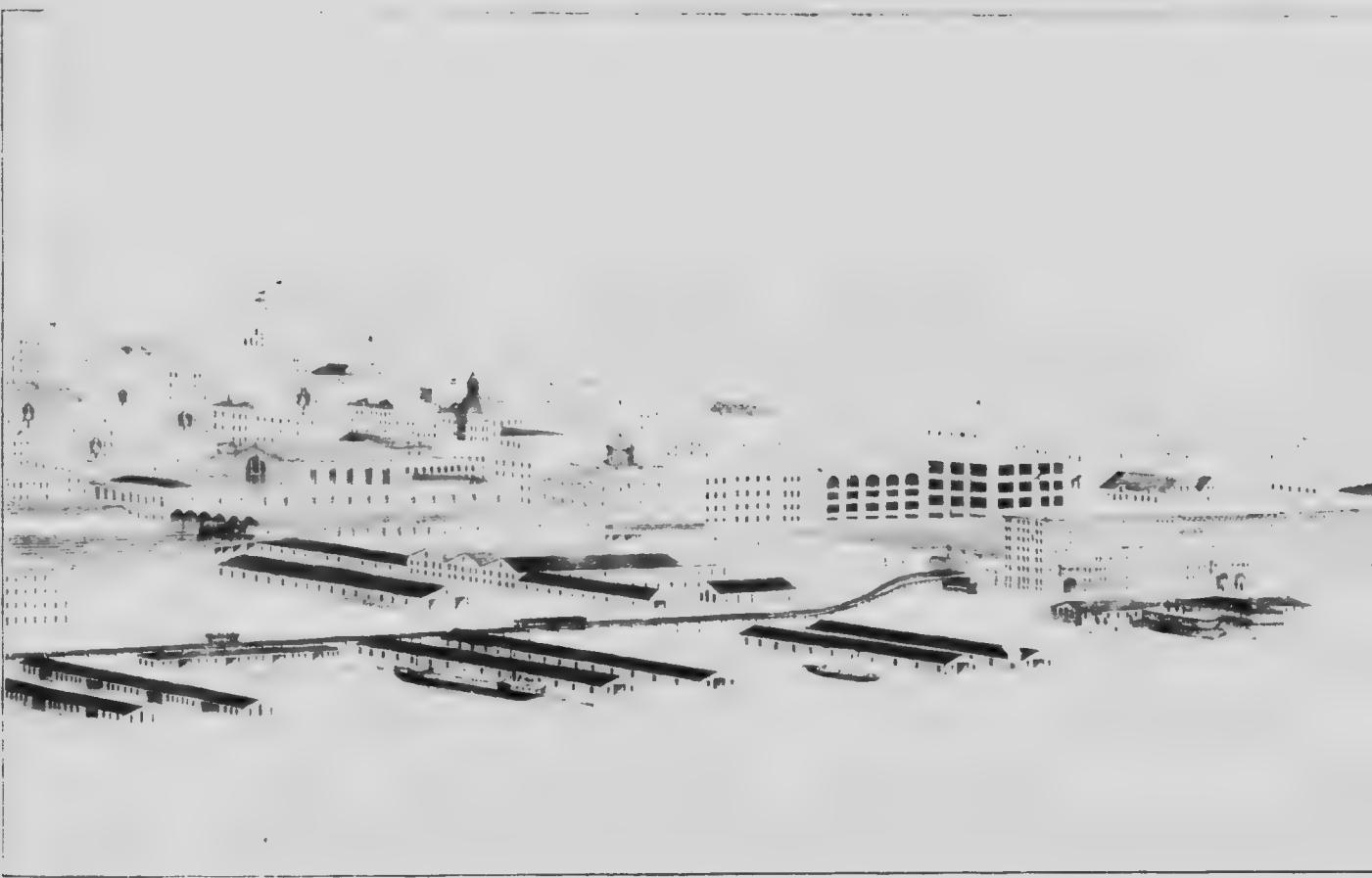








PLAN SHOWING RECOMMENDED  
RADIAL RAILWAY ENTRANCES.  
TERMINAL AND DOWNTOWN LOOP.  
SCALE [unclear] FEET





# DIAGRAM SHOWING POPULATION OF THE VARIOUS MUNICIPALITIES OF SOUTH WESTERN ONTARIO SCALE MILES

## LEGEND

### POPULATION OF TOWNSHIPS

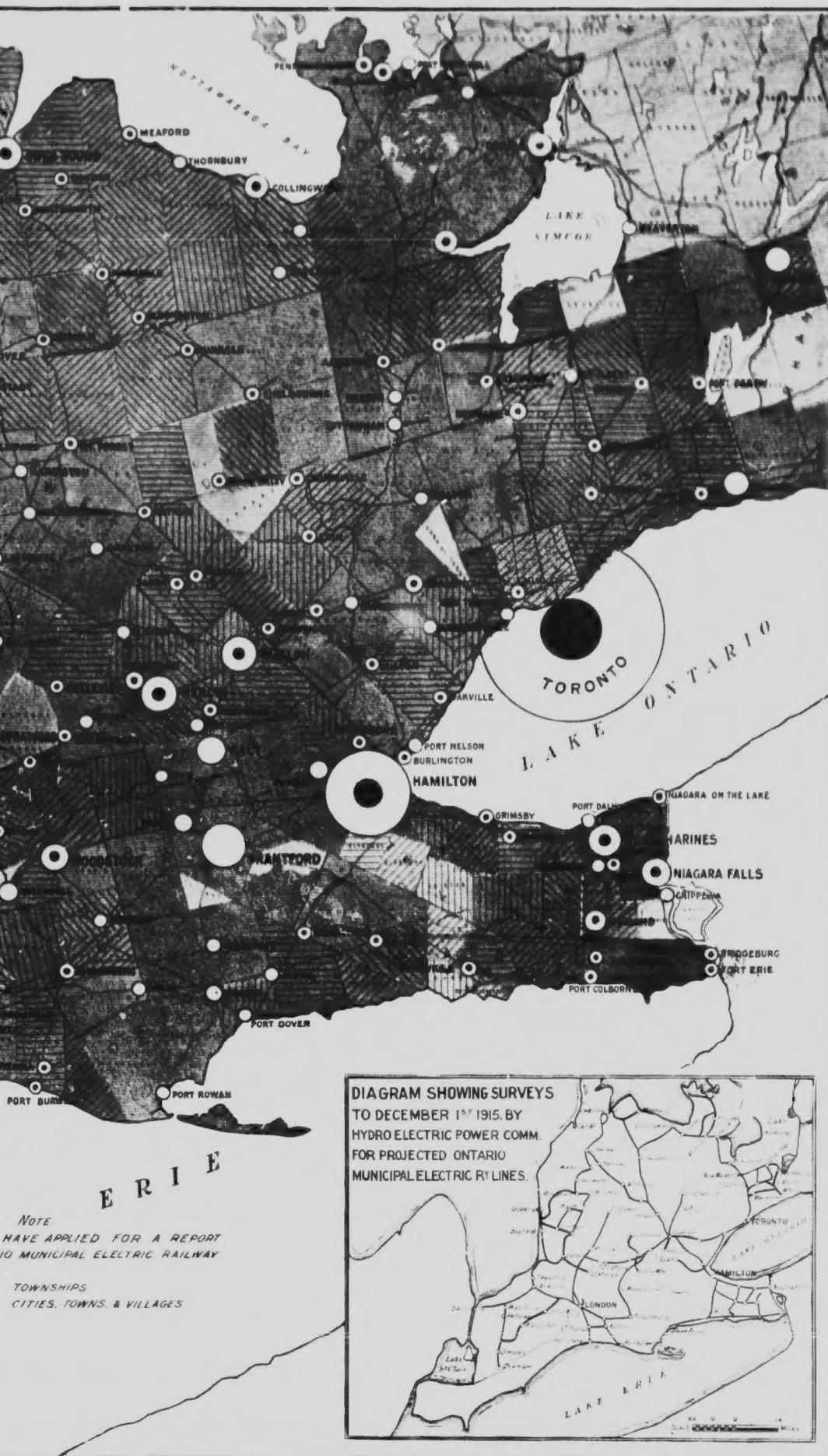
-  1500 OR LESS
-  1500 - 2500
-  2500 - 7500
-  7500 - 20000

### POPULATIONS OF CITIES, TOWNS, AND VILLAGES



NOTE.  
POPULATION TAKEN FROM  
CENSUS OF CANADA 1911.





# DIAGRAM SHOWING VALUE OF FARM AND MANUFACTURED PRODUCTS OF THE VARIOUS MUNICIPALITIES OF SOUTH WESTERN ONTARIO

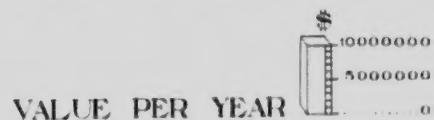
SCALE  MILES

## LEGEND

FARM PRODUCTS  
VALUE PER ACRE PER YEAR

-  10 OR LESS
-  10 TO 15
-  15 TO 20
-  20 AND OVER

## MANUFACTURED PRODUCTS



*NOTE*  
VALUE OF PRODUCTS TAKEN FROM  
CENSUS OF CANADA 1911

